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DOCUMENT PROCESSING SHEET

# DATA PROCESSING BRANCH USAFETAC Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

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This technical report has been reviewed and is approved for publication.

SUSAN V. BERRY, 2 LV, USAF Information Retrieval

Manager

FOR THE COMMANDER

WALTER S. BURGMANN

Scientific & Technical

Information Officer

READ INSTRUCTIONS

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	BEFORE COMPLETING FORM
1 PERCET NUMBER	3. RECIPIENT'S CATALOG NUMBER
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Observations (RUSSWO) - PANSTELL AR LANDSTUHL.	i înă. rept.
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9 PERFORMING ORGANIZATION NAME AND ADDRESS	10 PROGRAM ELEMENT PROJECT, TASK AREA & WORK UNIT NUMBERS
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Air Force Environmental Technical Appl. Center	
Scott AFB IL 62225	
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19 KEY WORDS (Continue on reverse side of necessary and identify by block number	1
	ospheric pressure
i and the state of	reme surface winds
TXO ONG OTON COPON	
	chrometric summary
Relative humidity *Climatological data	ling versus visibility
20 ABSTRACT (Continue on reverse side if necessary and identify by block number)	(over)
This report is a six-part statistical summary of su	
RAMSTEIN AB, LANDSTUHL, GERMANY	Trace Headings Objet Vacions Tor
	ianc. Atmocrhamia Phanamana.
It contains the following parts: (A) Weather Condit	rous; Aumospheric Phenomena;
(B) Precipitation, Snowfall and Snow Depth (daily a	wounts and extreme values);
(C) Surface winds; (D) Ceiling Versus Visibility; S	ky Lover; (E) Psychrometric
Summaries (daily maximum and minimum temperatures,	cation depression management
temperatures, psychrcmetric summary of wet-bulb tem dry-bulb temperature, means and standard deviations	peracure depression versus

DD 1 JAN 73 1473

UNCLASSIFIED

19. Percentage frequency of distribution tables Dry-bulb temperature versus wet-bulb temperature Cumulative percentage frequency of distribution tables

Germany

Ramstein AB, DL

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

#### HOURLY OBSERVATIONS

Eurly Josefvations are defined as those record or record-special observations recorded at scheduled nourly intervals.

#### DAILY OBSERVATIONS

Cally observations are delected from all data recorded on reporting forms and combined into Clamary of the Cay observations. (Selected from record-special, local, summary of the day, remarks, etc.)

#### **DESCRIPTION OF SUMMARIES**

Preceding each section is a brief description of the data comprising each part of the Pevised Chiform Summary of Surjace Weather Intervations and the member of presentation. Tachiations are prepared from nownly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART 8 PRECIPITATION

SNOWFALL

SNOW DEPTH

PARTC SURFACE WINDS

PART D CEILING VERSUS VISIBILITY SKYCOVEP DATA NOT AVAILABLE PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE -TA NOT AVAILABLE

#### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of nourly observations: 0000 2200, 0300-0500, 0500-0500, 0900-1100, 1200-1700, 1600-2000, 2100-2300 hours local standard time.

#### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

lanuary		APPIL	JULY	OCTOBER
FESRUARY		MAY	ATTET	NOVEMBER
VARCE	•	JUNE	SEPTEMBER	DECEMBER

THE SAME TO SELECT

	04 SUMMARY 050	RAMSTEIN AB GERMANY		N 4		E 007 35	FIELD 780 Ft	EDAR	1061	
		STATION LOCATIO	ON A	ND IN	ISTRU	MENT	ATION H	ISTOR	Y	<del></del>
NUMRE= :		GEGGRAPHICAL LOCATION & NAME	TYPE	AT THIS L		LATHUUE	LORGITUGE	ELEVATION		OBS PER
			STATION	FROM	TO			STATION (FT)	TYPE BARBNETER	BAT
1 !	Ramstein	AB Germany	AB	MAR 52	MAR 63	N 49 25	E 007 35	789 Ét	808 ft	24
2 .	same		Same	APR 63	MAY 68	Same	Same	Same	826 ft	24
3	Same		Same	JUN 68	MAR 69	Same	Same	Same	777 £t	24
4	Same		Same	APR 69	DEC 70	N 49 26	Same	Same	Same	24
5	Same	•	Same	JAN 71	FEB 78	Same	Same	780 ft	Same	24
1										
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:									<u> </u>	
l		•								
; ;							,			1
		:								den s
		SURFACE WIND	FOULDMENT	MEASMATIAN						
MUMBER: Of :	DATE OF		ENUIPACRI	TYPE OF	TYPE OF	NT ADOVE	REMARKS, ACDITIO	MAL EQUIPMENT.	OR REASON FOR	3366
SCATION	SHANGE	LOCATION		TRANSMITT		CHOOND				
1 :	MAR 52	Located 400 ft N of midpoint the rnwy.	ne of	AN/GMQ	1 N/A	20 ft				
2	JUL 61	Located 500 ft N of GCA to point of rnwy 27.	uchdown	AN/GM2	11 RO-2	13 ft				
١ د	APR 64	Located 500 ft N of GCA to point on both rnwy 09 and		Same	Same	Same				
4 ,	JUN 68	Located 500 ft from center & 1407 ft from touchdown p		Samo	13½ ft			٠		
:		rnwy 27 & 1300 ft from tou point of rnwy 09.					,			
5	APR 69	1. Located 500 ft from cen and 1500 ft from end of rn		AN/GMQ	1 RO-2	13 ft				
	TAC FORM	0-19 (OL A)		ONTINUED ON R			<del></del>			_

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HUMPI =	SALE	SURFACE 2140 EDUICAFNE INF				
OF LOCATION	OF OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ACCYE CREEDED	REMARKS, ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
6	Jan 71	<ol> <li>Located 500 ft from centerline and 1450 ft from end of rnwy 09.</li> <li>Same</li> <li>Located 500 ft from centerline and 1400 ft from end of rnwy 09.</li> </ol>	Same Same Same	RO-362~	Same Same Same	
						•
						·
	•	-				
						•
C					•	-
_				-		

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART A

#### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

- 1. By mouth and annual, all hours and years combined.
- 2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

DATA PRUCESSING PRANCH USAF ETAC AIR \*EATHER SERVICE/\*AC

## **WEATHER CONDITIONS**

34050 RAMSTEIN AP PL

7-7-,73-78

JA . MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OFSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SHOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR PAZE	BLOWING SNOW		% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAı.	30-02		17,4	Q	5,4		23.0	27.6	17,5			45.1	927
	03-05		18.7	ģ	5.9		25.4	29.7	12.6			41.7	430_
	<u>05-08</u>		18.4	1.1	6.7		27.0	<u>31. `</u>	11.4			42.4	<u> 730</u>
	09~11		17.2	. 4	1 1		26.3	30.2	15.5			46.7	930
	12-14		20.2	.4	<u>- 8</u>		28.3	18.6	22.4			41.0	930
	15-17		16.5	. 1	7.5		23.8	15.6	25.2			40.2	930_
	18-20		15.8	. 1			21.4	20.9	22.8			43.7	929
	21-23	•	17.0	. 5	6.3		22.6	25.1	18.0		.1	43.1	930
							THE REAL PROPERTY OF THE PERSON OF THE PERSO						
-							A CONTRACTOR OF THE CONTRACTOR						
							HATTER SHOWN	No.					
TOTALS			17.7	.5	7.5		24.8	24.8	18.2		.0	43.1	7436

USAFETAC  $^{\text{FORM}}_{\text{JAT 64}}$  0-10-5(OL A), menous editions of this form are disolete

DATA PROCESSING FRANCH USAF ETAC AIR FEATHER SERVICE/MAC

## **WEATHER CONDITIONS**

34050	PAMSTETS AS TE	.7-7 <sub></sub> ,73-7 <sub>c</sub>	ر غ ۱
STATION		YEARS	MONTH
•			

PERCENTAGE FREQUENCY OF DOLURELNOS OF WEATHER CUNDITIONS FROM HOURL - GESERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN CR CRA CRIZZIE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAR	S OF OSS WITH PREUR.	FOG	SMOKE AND-OR HAZE	SHOWING SHOW	TOUST SO.CAA GAAZ	# CF OSS WITH OSST TO VISION	TOTAL NO. OF OBS.
FEa	00-02		<u>14.1</u>	.4	^,9		20.7	20.5	15.4			39.2	<b>44</b> 0
	03-05		14.1	.5	2.4		22.6	21.9	17.5		: 	39.4	540
	06-03		13.6	.1	0,1		22.6	22.5	22.0			44.8	J45
	69-11		15.0	-4	11.1		26.2	20.5	26.1			46.6	340
	12-14	. 2	16.5	6	9.2		26.5	9.5	23.3			32.7	546
	1>-17		15.1		₹.6		23.4	<b>5.</b> r	_23.4			28.4	546
	18-20		14.:		5.6		19.4	8.7	25.8	•1		34.6	646
	21-23		14.4		5.0		19.5	15.4	21.3			36.7	840
	Post Postantia postantia			1 1	a state property car		HAS CONTRACTOR OF THE PARTY OF					Her addition to the	
	IIIIinimme vaa			AND	- 111 минения		AND REPORT OF THE PARTY OF THE					Total Composition of the Composi	
TOTALS	en e	•0	14.6	.3	8.1		22.6	15.6	22.2	. 2		37.8	6768

DATA PROCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

# **WEATHER CONDITIONS**

	KAMSTEIN AR DL	: h-7c, 73-77	714
STATION	STATION NAME	YEARS	MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L S T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	ELOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
4 <b>A</b> n	20-00		11.3		2.3		13.3	16.1	15.6			31.8	929
	03-05		14.1		4.1		2	20.4	15.3			35.7	<b>930</b>
	06-08	<u>•1</u>	13.2		6.9		19.4	24 • 1	26.7			50.8	930
	09-11		14.2		5.3		20,2	14.5	34.8			49.4	930
	12-14	•1	12.8		4.1		16.7	4.2	26.3			30.5	930
	15-17		14.0		2.8		15.6	1.2	15.4			19.6	930
	18-20		13.1		1,7		14.6	2.2	21.5			24.0	930
	21-23	•1	10.9		1.9	··	12.8	8.4	19.1			27.5	930
	Language of the second												
TOTALS		•1	13.0		3.8		16.5	11.4	22.3			33.7	7439

DATA PRUCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **WEATHER CONDITIONS**

34050 STATION RAMSTEIN AR OL STATION NAME

06-7J,73-77

AP<sub>K</sub>

PERCENTAGE FREQUENCY OF OCCURPENCE OF WEATHER CONDITIONS FROM HOURLY UBSERVATIONS

монтн	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APK	00-02		12.9		. 7		13.6	11.7	7.2			18.9	<u> </u>
	03-05	•1	14.2		2.1		15.9	19.0	5.6		.1	25.7	900
	06-08		16.8		3.2		19.7	22.6	16.0			38.6	900
	09-11		16.1		2.2		18.2	5	21.6			27.0	900
	12-14		15.2		1.4		16,5	1.1	6.9	ļ 		3.0	399
	15-17	.6	15.1		. 4		15.6	.7	3.8			4.4	900
	18-20	•1	11.7		.7		12.3	.9	5.9			7.8	200
	21-23		12.2		.3		12.6	3.9	7.9			11.8	900
TOTALS		• )	14.3		1.4	,	15.6	8.2	9.6		.0	17.8	7198

DATA PROCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

## **WEATHER CONDITIONS**

34050 STATION

RAMSTEIN AR OL STATION NAME

56-75,73-77

MΑΥ

YEARS

HTHOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM HOURLY DESERVATIONS

монтн	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRÉCIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
HAY	00-02	. 6	11.1				11.1	11,6	7.1			18.7	930
	03-05	.3	13.1				13.1	22.0	10.2			32.3	930
	06-08	.1	12.5				12.5	18.3	20.2			39.0	930
	09-11	3	10.3				10,3	3.0	13.2			16.2	930
	12-14	8	8.9				8.9	• 3	5.7	page page		6.0	930
	15-17	• 5	8,6				8.6	• 2	4.2			4.4	930
	18-20	1,5	10.1				10.2	. 8	4,9		.1	_5.8	930
	21-23	1.5	12.5	_			12.5	4.4	7.1			11.5	930
										N			
TOTALS		.7	10.9			•0	10.9	7.6	9.1		.0	16.7	7440

DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/MAC

# **WEATHER CONDITIONS**

34050 RAMSTETS AP OL 5-70,73	3~77 Ju ,
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PERCENTAGE FREQUENCY OF OCCURPANCE OF WEATHER CONDITIONS FROM HOURLY OPSERVATIONS

нтиом	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OT SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUn	00-02	1.3	5.2				8,2	18.7	10.0			23.7	900
\	03-05	.7	8.1				8.1	33.9	11.0			44.9	900
	06-05	•2	7.8				7.8	26.9	∠1•1			48.0	900
	09-11	3	8.5				8.5	3.4	19.4			22.5	399
	12-14	. 9	10,1			77	10.1	• 5	3.2			8.8	900
	15-17	3.5	10,6				10.6	• 3	4.6			4.9	900
	18-20	2.0	12.0			• 1	12.1	1.1	4.2			5.3	900
	21-23	1.5	10.8				10.8	7.8	11.2			19.0	900
					THE PERSON NAMED IN COLUMN NAM							Hanker -	<del></del>
		SHAME STATE OF THE										A Maria	
TOTALS		1.4	9,5			•0	9.5	11.6	11.2			22.8	7199

DATA PROCESSING PRANCH USAF ETAC AIR «FATHER SERVICE/"AC

# **WEATHER CONDITIONS**

34050 RAMETEIN AS CL 16-7,73-77 JUL STATION NAME YEARS MONTH

# PERCENTAGE FREQUENCY OF DOCURRENCE OF WEATHER CONDITIONS FROM HOURLY USSERVATIONS

монтн	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	1.2	6,7				6.7	17.8	8.7			26.5	842
	03-05	1.0	4.5				4.5	34.1	9.8			43.9	<b>35</b> 8
	06-08	.8	9,9				9.9	22.4	či•2			43.6	867
	09-11		11.0		•		11.0	3.6	15.8			19.4	857
	12-14	1.5	9.2			<b></b>	<u>9.2</u>	.7	4.4			5.1	689
	15-17	2.6	9.0				9.0	•6	3,0			3.6	868
	18-20	3.0	8,5				3.5	.7	4,5		~	5.2	8 <u>6</u> 7
	21-23	1.9	7.3			•1	7.4	5.8	10.2			15.9	847
<u></u>													
													,
TOTALS		1.6	8,3			•0	8,3	10.7	9.7			20.4	6905

USAFETAC  $^{PORM}_{RAT.64}$  0-10-5(OL. A), helyous editions of this form are dissolete

DATA PROCESSING PRANCH USAF ETAC AIR TEATHER SERVICE/MAC

# **WEATHER CONDITIONS**

34056	RAMSTETN AP DL STATION NAME	25-7c,73-77	AUG
STATION		YEARS	HINOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OF SERVATIONS

нтиом	หนับสิจั (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	* OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
بالد	00-02	.7	9,0				9.0	28.7	7,6		 36,3	753
	03-05	1.1	7.9				7,9	45.0	5.0		51.0	313
	06-08	.5	8.8				8.8	41.6	13.8		 55.4	846
	09-11		9.1				9.1	11.5	24.0		35.6	849
	12-14	_ • ઇ	8.8				8.8	1.8	12.3		 14.2	₫ <b>7</b> 6
	15-17	2.2	8.4				8.4	. 7	10.2		11.0	<u>849</u>
	18-20	2.5	8.4				8.4	2.5	9.9		 12.4	849
	21-23	1.9	9.7				9.7	10.2	13.2		23.4	757
									<del></del>		 <u> </u>	· · · · · · · · · · · · · · · · · · ·
						****						<del> </del>
TOTALS		1.2	8.8				3.8	17.8	12.1		 29.9	6624

DATA PROCESSING RANCH USAF ETAC AIR \*EATHER SERVICE/\*AC

## **WEATHER CONDITIONS**

34050	RAMSTEIN AR OL STATION NAME	55-72,73-77	SE₽
STATION		YEARS	MONTH
01/11/01/		i EARD	,

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER COMBITIONS FROM HOURLY O SERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS	TOTAL NO. OF OBS
SEF	00 <b>-</b> GZ	. 7	9,2	and the state of t			9.2	40.7	5,5	_		46,2	840
_	03-05	.7	9.5				9.5	47.5	5.6			53.2	880
	06-08	3	8.9				8.9	52.6	9.7			62.2	900
	09-11	.2	8.3				8.3	20.0	26.7			46.7	900
	12-14	H Designation of the last of t	7.3				7,3	3.6	16.2			19.8	599
	15-17		8.2				8.2	1.1	10.8			11.9	500
	18-20	.7	9.4				9,4	5 <u>.</u> B	17,3			23.1	900
	21-23	.7	7.3				7,3	23.5	12.4			36.2	852
	-											4	
TOTALS		.5	8.5				8.5	24.4	13,0			37.4	7 <u>9</u> 81

USAFETAC  $\frac{RORM}{RRY 64}$  0-10-2(QL, A), reprious editions of this form are dissolete

DATA PROCESSING PRANCHUSAF ETAC AIR WEATHER SERVICE/MAC

## **WEATHER CONDITIONS**

3405C STATION

RAMSTEIN AS OL STATION NAME

36-7.,73-77

4€1 MONTH

PERCENTAGE PREQUENCY OF DOCURRENCE OF HEATHER CONDITIONS FROM HOURER OFSERVATIONS

МОМТН	HOURS (L S.T.)	THUNDER- STORMS	RAÎN AND, OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JC T	00-02		16.6	2011	100		16,6	45.7	5,4			51.1	930
	03-05		15.4	1	.2		15.5	47.7	5.2			52.9	930
	90-60		15.1		1	<del>_</del>	15.1	51.2	8.8			60.0	930
	09-11		15.8		1		15.8	37.1	17.0			54.1	930
	12-14		12.4		and the same of th		12.4	17.5	19.6			37.2	930
	15-17	•2	12.5	 			12.5	8.3	22.7			31.0	930
	18-20	•2	12.4				12.4	19.2	16.6			35.8	930
	21-23	• 2	12,5				12.5	35.9	10.8			46.7	930
ļ													
												1	·
											<b></b> _		
TOTALS		.1	14.1		•0	· · · · · · · · · · · · · · · · · · ·	14.1	32.8	13.3			46.1	7440

DATA PROCESSING PRANCH USAF ETAC AIR \*EATHER SERVICE/NAC

## **WEATHER CONDITIONS**

34050 RAMSTERN AR OL 6-70,73-77 YEARS MONTH

PRACENTAGE FREQUENCY OF MOUNTAINS OF MEATHER CUNDITIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & . OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW		% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
_h0/_	00-02		17.6	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.9		23.1	31.3	5.1			39,4	900
	03-05		20.8	1	4.7		24.1	31.3	9.1		! <del> </del>	39.4	900
	00-08		19.7		4.3		23.2	33.3	10.3			43.7	900
	09-11		23.0		5.3		27.7	28.2	14.3			42.6	<u>300</u>
	12-14		19.9	1111	3,9		23.0	18.4	19.2			37.7	900
	15-17	•2	18.0	N. Q. U. CHIRDWAN	3.1		20.8	13.4	<u>[å,6</u>			32.0	606
	18-20		18.2	. 2	3,3		21.7	16.5	15.8		100	32.6	900
	21-23		19.1	A THE PERSONNELL PROPERTY.	3.9		22.6	25.1	11.9			37,0	900
				2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Property 1 consequences					1	<del></del>
							A CONTRACTOR OF THE PROPERTY O					i denominante de la constante	
	H. A. C.												
TOTALS	Per ligitati i savegyara	•0	19.8	.1	4.1		23,3	24.7	13.3			38.1	7260

USAFETAC RAY 64 0-10-5(QL A), PREVIOUS EXTICAS OF THIS PORM THE DESCRETE

C

DATA PRECESSING PRANCH CATA TAKE DAMES FRIES . RIA

#### **WEATHER CONDITIONS**

3405) RAMSTEYM AR OL US-7.,73-77 VEWS MONTH

PERCENTAGE FREQUENCY OF DOCUMENCING OF MEATHER CONDITIONS FROM HOURLY DISERVATIONS

нтиом	HOURS	THUNDER- STORMS		FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	AND/OR	S OF OBS WITH OBST TO VISION	TOTAL NO, OF OBS.
uĝi	00-02		17.5	1.0	7 1		25.2	26.3	10.3			43,1	736
	03-05		18.0	.5	5.6		24.8	28.1	15.2			43.3	929
	06-08	l 	17.4	, ş	5.8		24.3	29.7	16.1			45.8	930
	09-11	i	15.8		9.4		26.5	32.8	18.7			51.5	930
	12-14	1	17.6	.4	ം.8	. <del></del>	27.0	23.1	22.0			45.2	430
	15-17		17.3	.6	_ e.2		23.9	22.0	22.6			44.5	930
<u> </u>	18-20		15.2	1.0	7.3		24.1	22.9	20.6			43.5	930
	21-23		16.9	1.1	7.1		24.6	23.7	19.8			43.4	930
						~							
<b></b>												Tenantal Personal Printers of the Personal Pri	
ļ													
TOTALS		0	17.2	.8	7.5		25.1	26.1	18.9			45.1	7439

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DATA PRICESSING TAARF.
USAF TAC
AIR -EATHER SERVICE/MAC

# **WEATHER CONDITIONS**

34050 RAMICTETAL 40 TL STATION FIAME STATION FIAME YEARS MONTH

PERCENTAGE PRESUENCY OF LOCURRENCE OF MEATHER CONDITIONS FROM HOURL: DESERVATIONS

монтн	HOURS (LS.T.)	THUNDER- STORMS	RAIN AND. OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	SNOM STOMING	DUST AND/OR SAND	* OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		17.7		7.5		24.8	24.8	19.2		្ត	43,1	7430
<u>FEo</u>		.0	14.6	3	3.1		22.6	15.6	22.2			37.8	0758
НДК		.1	13.0		3.8		16.5	11.4	22.3			33.7	7439
APK		.1	14.3		1.4		i5,6	8.2	9.5		.0	17.8	7198
HΔY		. 7	10.9			•2	10.9	7.6	9.1		٥,	16.7	7440
JUis		1.4	9.5	1	2	•3	9,5	11.0	11.2			22.3	7199
JUL		1.6	8.3		7		8.3	10.7	9.7			20.4	6905
غالف		1.2	9.8				9.8	17.8	12.1			29.9	6624
_SEP		5	3.5				8,5	24.4	13,0			37.4	7081
аст		.1	14.1	All deposits the same of the s	.0		14.1	32.∂	13.3			45.1	7440
NOV		.0	19.8	• 1	4.1		23.3	24.7	13.3			39.1	7200
มิยเ		•0	17.2	. 8	7.5		25.1	26.1	18.9			45.1	7439
TOTALS		.5	13.1	. 2	2.7	• 0	15.7	18.0	14.4	•0	٥.	32.4	56169

USAPETAC  $_{AR1.64}^{POBM}$  0-10-5(OL A), previous editions of this poem are disolete

#### PART A

#### ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949.

  Therefore, percentages in this column are restricted to the period Jan 1949 and later.
  - (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
  - (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

UATA PROCESSING ARANCH USAF ETAC 412 HEATHER SERVICE/MAC

34050 RAMSTRIN AP OL 2-70 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE OF CAYS WITH VARIOUS ACHOSPHERIC PHENCHERS
FRUM CLILY OBS PVILLUNG

мситн	HOURS (LS.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /CR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	AND/OR	N CF CBS WITH CBST TO VISION	TOTAL NO OF OBS
Jál	BAILY	.7	52.4	4.5	<u> 35.1:</u>		59.9	66.5	77.3			90.3	300
F£8		1.1	47.1	2.9	34.1	1.5	56.8	<u>ავ. ფ</u>	<u>80.7</u>	.4.		89.0	734
MAR		_2.1	47.8	.,	19.7	1.9	58.3	59.0	84.2			87.5	<u> </u>
APR		4.6	56.8		7.5	2.7	61.1	59.3	73.4		.1	50.2	779
MAY		12.4	57.1		. 5	1.5	57.2	62.4	70.2		. 2	81.3	<u> </u>
JUN		15.9	55.9		• 1	9	55.9	64.1	73.8			81.9	780
J#L_		17.3	53.0		-	. 3	53.0	60.2	71.1		<u>, 3</u>	79.4	761
ÀUG		14.6	55.1	THE STREET STREET	We the	.5	55.1	69.2	73.8		. 1	83.3	779
SEP		8.3	50.9	THE PERSON NAMED IN	on a second	• 1	50.9	77,6	79.5			88.1	780
DCT		1.9	52.4		. 7	.4		81.3	Sl.i	· oddinas-spidomi		92.7	900
NOV		.5				• 9		73.0		-1		89.7	7£7
DEC		_5	54.3		1	•5		71.3		No.		92.3	806
TOTALS		6.7			ļ			<u> 67.3</u>			. 1	86.3	9407

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

#### PART B

1

## PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY	PRECIPITATION	".00"	equals	none	for	the	month	(hundred	ths)
EXTREME DAILY	SNOWFALL	<b>".0"</b>	equals	none	for	the	<b>≥</b> onth	(tenths)	
EXTREME DAILY	SEOW DEPTH	"O"	equals	Done	for	the	month	(whole i	nches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SMOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total musber of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES:
- (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

#### Air Force Stations:

## U. S. Navy and National Weather Service (USWB)

Beginning thru 1945	at 0800LST	Beginning thru Jun 52	at 0030GMT
Jan 46-May 47	at 1230GMT	Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT	Jun 57-present	at 1200GMT

HATE PRICESSING REACH FRANCELLE MR EATTE STRATGERESS

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

STATION STATION NAME YEARS

						AM	OUNTS (II	(CHES						PERCENT		MON	THLY AMO	UNTS
PREC P	зиси	TRACE	01	02 05	06 10	11. 25	26 .50	51-1 00	1 01-2 50	2 51-5 00	5 01-10 00	10.01-20 00	OVER 20 JO	OF DAYS WITH	NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0104	0 5.1 4	1 5-2 4	2 5.3 4	3 \$-4.4	4564	6 5 10 4	10 5 15 4	15 5.25 4	25 5-50 4	OVER 50 4	MEASUR-	OF OBS.	MEAN	GREATEST	LEAST
SNOW- DEPTH	NONE	TRACE	1	2	3	4.6	7-12	13 24	25-36	37 48	49-60	61-120	OVER 120	2TMA				
MAL	29.2	21.7	6.7	14.4	9.3	11.9	4.6	2.0	•2					49-1	806	2,01	4.03	, 3
FEB	32.6	18.8	6.4	12.7	9.0	12.3	4.4	1.6	.3				*	48.5	734	1.93	4-80	,04
MAR	41-1	19.9	4-1	11.2	8.4	9,6	45	!-0	,3				-	39.0	803	1.51	5.56	,20
APR	38.0	20.5	4.4	13.2	6.9	10.4	4.5	1.7	. 1					41.2	779	1.62	3.08	, 3,
MAY	41.9	19.0	4.1	10.6	6.2	9.6	5.8	2.6	,2					39.1	805	2.01	4.68	. 3.
אטנ	42.8	18.6	4.2	8.2	4.3	9.5	5.9	3,2	1.3					38.4	780	2,49	5-38	.3
JÜL	46.6	14.6	3+1	10.6	4.3	11.2	5.6	3,4	. 9					38.8	767	2-27	3.86	.6.
AUG	44.0	14.3	4.0	9.3	6.0	10.9	7,9	2.8	,0					41,7	777	2,65	7-83	,0
SEP	47.7	14.4	4.2	9.1	6.3	10.1	5-3	2.2	•3					37.9	780	2.00	5.26	TRAGI
ОСТ	46.7	12,9	5.2	10,8	6.8	10,3	4.1	2,1	.1					39.5	806	1.73	4,60	.24
иоч	36.4	16.8	6.7	13.1	8.1	10.8	4,0	1.7	3					48.6	778	2.1.7	5.28	.4
DEC	30,0	23.3	6.7	12.2	6.3	12.2	6,5	1.7	.د					46.7	806	2,23	5.09	, 2
ANNUAL	39.6	13,0	5.0	11.3	7.0	10.7	5.1	2.2	.4					42.4	9416	24.62	$\times$	$\times$

1210 WS JUL 64 0-15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOUTE

OATA PROCESSING PRANCH USAF/ETAC/OL A AIR WEATHER SERVICE/MAC

# **EXTREME VALUES**

PRECIPITATION

(FROM DAILY OBSERVATIONS)

34050 STATION

RAMSTEIN AR OL STATION NAME

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB	MAR	APR	MAY	JUN.	JUL	AUG	SEP	ост	NOV	DEC.	ALL MONTHS
52		*		• 74	-11	.72:	.46	.78	.77	.78	1.43	1.05	
53	.31	.70	.11	<u>. 19.</u>	.77	: 60	.54	•23,	.62	.14	. ≥5	.19	1.00
54	. 42	1.44	.25	.54	.60	1.41	.90	•92	.46	.45	.68	1.42	1.44
55	.71.	•63	.31	.17	.64	.76	.56	<u>•56</u>	.40	.73	.13	.43	.78
56	.45	.21	. 20i	.60	.84	. 85.	.83	•92	.33	.63	.40	•27.	.92
57	.13	.58	. 48	.10	.24	1.55	•67	1.35	1.25.	.81	.30	.74	1.50
58	1.18	•56	.52	. 39	.71	.60	.75	1.21	.27	•73	.30	.46	1.21
59 ,	.31	• 0 3.	. 49	.29	.23	•97	•81t		TRACE	.45.	. 33	.49	.97
00	. 44	. 32.	•17	.37	.64	•50	.54	1.21	.57	7ڌ.	.42	•52:	1.21
ol ,	.63	.27	•19	.67	.43	1.13	1.61	.45	• 20:	.09	.64	.55	1.61
62	1.36	• 65	.77	1.70	.46	·22#	1.30	.21	1.20	.18	.42	.36	1.70
63	.33	.25	.62	.48	.20	03	• 30	.81	.39	.57	.74	.14	1.05
64	.08	.30	. 45	.24	.46	.53	.26	.44.	.54	.37	.84	.25	.84
05	.87	.20	.59	•27	.53	.76	.63	•45	.56	•09	.71	<u>.93                                    </u>	•9 <sub>3</sub>
66	.46	.32*	.39	.47	1.13	.75	.70	• 58	.36	.64	.35	1.26	1.26
67	.22	<b>.</b> 76i	. 45	•70 <del> </del> ₹	<u>.77</u>	.63	•90⊭	•72	2.13	.49	. 42	1.06	2.13
90	.53	.40	.35		49	.69	.70	1.07	1.11	.48	.76	.53	1.67
ა9	.92	- 68	1.07	.51	55	•46 €	.38*	•07	.29	.17	.53	.24	1.07
70	•64	.83	.51	-65	1.63	.71	1.16	•22	.24	.27	.39	•36	1.63
71 4	.38	• 19	.23	•30	<u>.79</u>	.48	.33	• 42	39	.50	.471	•20 🖁	• 79
72	.39	•47,	.26	.37	.55	1.14	.87	• 67	.35	•19	1.19	.37	1.19
73	.28	.34	.07	.64	.41	.29	.71	.41	.38	.58	.38	•43	•71
74	.19	.51	.35	.20	.49	•40	.71	+31	.36	.68	.50	•52 į	•71
75	.38	. 49	.57	.38	.43	1.33	.88	, 82	.63	.20	.31	.30	1.33
76	.25	,42	.23	•24	, 14	.33	•70	•31;	.71	1.08	.64	,69	1.08
77	.63	1.14	.37	.40	.31	1.01	1.25	•45	.60	.60	.83	.58	1.25
78	.56	.50			· interest of the second	Annual Principles		Pagintanti			N A	THE PERMINANTAL	
MEAN	•506	,507	.403	.467	,55)	.804	.745	.67	.581	.494	. 558	•552 in	1.178
S D	•309	• 306	•232	•313	,320	.365	.308	• 396	.435	.253	.299	.339	.305
TOTAL OSS.	806	734 NUTE	# (BAS	779 EU UN	805 Less 1	780 HAN FUI	762	777 THS)	780	806	778	806	9416

USAF ETAC FORM 0-88-5 (OLA)

DATA PROCESSING PRANCH USAF/ETAC/OL A AIR WEATHER SERVICE/MAC

EXTREMEX XALUES
MONTHLY PRECIPITATIO

(FROM DAILY OBSERVATIONS)

34050 STATION

RAMSTET AR DL STATION NAME

TOTAL MUNTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR.	MAY	JUN.	JUL.	AUG	SEP	OCT.	NOV	DEC	ALL MONTHS
52		*	5.56	2.50	.33	: . 33	1.59	2.39	3.54	3.65	5.28	4.66	1
. 52 	.50	2.06	.20	1.09	1.22	3.38	2.42		1.64	.49	.46	.73	17.09
54	1.81	2.27	1.03	1.96	1.92	7.65	2.72	4.93	3.22	1.85	1.68	2.92	
55	2.82	2.89	1.35	.33	3.00	3.00	2.88	1.51	1.92	1.66	,65	3.32	
56	2.10	.48	.54	2.97	1.82	1.58	3.86	2.92	2.03	2.05		1.00	22.44
57	.71	2.89	2.17	.38	.83	4.28	2.36		5.23	1.17	.70	1.53	25.60
38	4.03	4.20	1.95	1.07	4.68	4.79	2.00		1.44	1.86	1.26	3.65	
59 -	1.69	.04	1.63	1.63	.98	2.05	1.84	2.32	TRACE	1.11	1.36	2.80	18.05
60	1.99	2.14	.75	1.02	9.17	1.97	2.51		1.13	2.64	2.48	2.70	27.95
61	2.97	1.27	,59	1.84	2.21	3.61	3.44		.71	2.19	1.71	2.58	24.67
62	3.49	1.92	2.89	3.08	1.62	.37	1.52	.72	3.06	.45	1.34	2.09	<b>22.</b> 55
63	1.16	. 51	2.71	1.63	.93	2.05	.70		1.34	1.27	3.99	.23	21.76
64	.31	1.10	2.26	.91	1.49	1.47	•68	2.24	1.17	1.81	1.56		16.13
65	4.01	.60	1.91	1.53	1.84	2.81	2.8C	1.61	2.87	.24	4.76	5.09	<b>*30.03</b>
of i	1.42	1.52		2.49	1.97	3.34	3.69			2.88	1.94		<b>≠29.1</b> 2
67	.83	2.09	2.06	1.82		2.06	2.03	¥ 2.25		2.83	1.93		₹28.58
58	2.76	2.38	1.65		2.19	1.80	2.94		3.94	1.41	1.49	1.98	<b>*32.75</b>
69	3.35	2.71	2.70	2.97	3,09	2.08				.20	2.92	.30	<b>*22.22</b>
70	1.96	4.48	1.72	2.79	3.46	4.33	3.44	•95	1.07	1.20	1.25		26.25
71	1.57	.85	.80	.78	2.99	2.51	• 69		1.05	.83	2.01		16.19
72	1.20	,98	1.04	2.02	2.85	2.78	2.17	3.46		.48	4.27		23 e 1 8
73	.84	1.85	.23	1.78	1.91	1.25	2.97		1.02	2.51	1.21	1.46	18.23
74	1.22	1.82		.58	1.72	1.83	2.15	1.76	1.76	4.60	2,87	3.07	
75	1.73	.75	2.46	1.24	1.37	4.73	1.82		2.78	.90	1.54		22.25
76	2.37	1.44	.91	.74	.44	•41	1.51		2.79	2.58	2.35	2.58	
	3.62	4.80	1.20	1.33	1.17	3.10	1.88	1.98	.74	2.09	3.98	3,17	Z9.00
78	1.91	1.88											
CONTRACTOR			·							~			
MEAN I	2.014	1,932	1.511		2.008			2.655			2.166		23.108
S. D.	1.083	1.208	.813	.829			.907			1.031		1.357	5.046
TOTAL OBS.	806	734 NOTE	803	SED UN	805	700	762	777 NTHS)	780	806	778	306	9416

USAF ETAC AN M 0-88-5 (OLA)

CATE OR SEED TO CONTROL COME ETAG AND SEED TO SURVEY MAR

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF THE CONTROL OF T

STATION STATION NAME YEARS

						AM	OUNTS (II	NCHES)						i PERCENT	*****		HLY AMO	
PRECIP	NONE	TRACE	01	.02- 05	06-10	11- 25	,26- 50	.51100	1.01-2 50	2.51-5 00	5 01-10 00	10 01-20 00		OF DAYS	TOTAL NO.		(INCHES)	
SNOWFALL	NONE	TRACE	01-04	0514 :	1 5-2.4	2534	3 5 4 4	4564	6 5-10.4	10 5-15 4	15 5-25 4	25 5 50 4	OVER 50 4	MEASUR-	OF OBS.	MEAN	GREATEST	LEAST
SNOW- DEPTH	NONE	TRACE	1	2	3	46	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120	AMTS				
JAN	64.6	19.5	7.7	5.5	1.2	. 7	- 1	•5	. )			· demonstration		15.9	805	4.8	15.7	TRACE
FEB	65.1	17.7	7.8	6.3	1.8	1.0	.3	. 1						17.2	734	4-2	13.2	TRA CE
MAR	80.0	12.1	3.2	2.7	•7	.5	. 1	•5	.1		- HIN - HIN - H	-		8.0	803	3.2	13.9	
APR	89.6	7.7	1.5	1.0				.1				<u> </u>		2,7	779	,5	6.0	
MAY	99.1	.9						I						14 14 18	806	TRACE	TRACE	
אטנ	100.0													de la constante de la constant	780	.0	c	
JOT	100.0														771	ه,	.0	•
AUG	100.0													**************************************	779	,0	, 6	
SEP	100.0													H seenigapassayaya	780	.0	. c	
ост	99.4	.6					·			-					806	TRACE	TRACE	-
ΝΟΥ	<b>§3.</b> 7	9.6	2.7	2.7	1.0		, 1	.1						6.7	780	1.8	8.8	ې ا
DEC	67.9	20.1	6.5	4.0	1.0	,4	.1		, [					12.0	806	2.8	9.0	مر
ANNUAL	87.4	7.3	2-4	7.8	.5	.2	. ]	. 1	.0					5,2	9429	17.3	X	$\overline{\mathbb{X}}$

1210 WS JUE 64 0:15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING RRANCH USAF/ETAC/OL A AIR REATHER SERVICE/MAC

# **EXTREME VALUES**

SNOWFALL

(FROM DAILY OBSERVATIONS)

34050 RAMSTEIN AS DL STATION NAME

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB.	MAR.	APR,	MAY	ו אטנ	JUL.	AUG	SEP ,	ост	NOV.	DEC	ALL MONTHS
52		1	# 2.0	6.0	1	•0	• 0	•0	•0	•0	1.5	1.0	
53	1.1	2.3	.7		TRACE	• 0	• 0'	•0.	•0	•n			2.5
54	1.8		• 3	. 5		•10	• 0	• 0	• O:				1.5
55	2.1	1.9	2.2		TRACE	•0	0	0_	<u>.0</u>	•ĉ			3.0
56	1.3	2.2	. 2	TRACE	• 0	• O,	•0	• O-	•0		TRACE		2.2
57	. 5	TRACE	.0		TRACE	• 3:	<u> </u>	<u>•0;</u>	0		TRACE		ن و
58	4.9	5.1	5.3	.6	• 0	• O,	• 0	• 0.	•0.		TRACE		5.3
59	3.1	TRACE	.0	.1	• 0	•0	.0'			•0	TRACE	TRACE	3.1
60	2.0	• 3	TRACE	IRACE	• 0	• 0;	• 0,	• 0.	• 0:			2.0	2.0
ol 🦠	4,3	. 8	TRACE	0	.0	•0	• 0:	0	.0			.5	6.3
02	• 1	2.4	5.7	TRACE	• 0	• O∱•	- 0	• 0	• O:				5.7
63	2.7	3,4		•0	0	•0	.0	•0	• O	•0		1.4	3.4
64	1.2	9	4,4	TRACE	.0	• 0	.0	• 0	• 0:				4.4
65	1.8	1.2	5.1	.0	.0	• Oi	.0	•0	.0:		4.0	.5	5.1
06	• 4	TRACE		TRACE	• 0	• O	• 0	•0i	.0		1.4		1.4
	<b>*</b> .6	• 5		. 2		•0	•0:	•0	•0	•0	1.1		3.0
86	5.8	4.0	.3		TRACE	• 0	•0	• 0;	.0	•0			5.₿
69	1.3			1.3		40∙	.0#	•0	.0	٠0		2.4	2.4
70	7.2	2.0		-5	• 0	• 0	.0	• 0	• 0			6.7	7.2
71	• 5	. 2	2.6	.0		• 6	• 0;	•0	.0	• 0	2.0		2.5
72	1.3	• 5		• 0	•0	• 0¦	.0	• 0	.0	TRACE	1.6		1.6
73	3	3.8		. 4	•0	•0	.0	•0	.0	TRACE	>.0		3.8
74	TRACE	• 6			•0	•0	-0	• 0	.0	.0	.0		•6
75	TRACE				0	•0	• Oi	•0	•0	TRACE	TRACE		7.6
76	3.5	2,5			• 0	• 0	.0	•0	.0	• 0	2.1	1.8	3.5
77	5.9	TRACE	1,2	TRACE	•0	•0	.0	• 0	0	.0	.5	1.0	5.9
78	1.1	2.7					-	***************************************					
						i i i i i i i i i i i i i i i i i i i		Here					
MEAN	2.25	1.58			TRACE	.00	.00	.00	.00		.93	1.40	3.79
S. D.	2.154	1.446		1.207	•000	.000	•000	.000	.000	.000		1.572	1.976
TOTAL OBS.	805	734			806	760	771	779	780	806	780	806	9429
		TUN	* (BA	SED UN	LESS	HAN FU	LL MON	THS					

USAF ETAC AT AL DEB-5 (OLA)

DATA PROCESSING PRANCH USAF/ETAC/OL A AIR WEATHER SERVICE/MAC

EXTREME X AND ES

FROM DAILY OBSERVATIONS)

34050 STATION

RAHSTEIN AB DL STATION NAME

TOTAL APRITHLY SMUHEALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG.	SEP.	ocī	NOV.	DEC ·	ALL MONTHS
52		3	,-	6.0	•0,	• O.	•0	• 0	•0	•^	2.3	3.3	_
53	1.3	8.6	,7	TRACE		<u>•0</u>	.0	•0,	•0	<u>. n</u>	•0		11.0
54	7.0	2.6	.3	. 8	• 0'	• 3	• 0	• Q <sup>1</sup>	•0	•0	TRACE	•1 "	10.6
55	5.3	P • 4:		TRACE		• 0:	.0	- <u>- C</u> ,	.0	<u>•</u> 0.	TR'CE		23.2
>6 ≈ 7	2.8	3.7		TRACE	.0 T0.65	• 0,	ົນ	• 0-	•0	•0	TRACE	3.0 "	9.7
57 58 :	7.3	TRACE	$-\frac{.0}{13.8}$	TRACE:		<u>•0;</u>	<u>•0</u>	•0	•0:	- 0	TRACE	TRACE	1.0
59 ±	9.7	TRACE	.0	.1:	•0'	• 91	- 0		• 0:		TRACE,	3.5 (	36.1 9.5
<del>50</del>	2.2	.7			.0	•0i	•0	•0	•0;	<u></u>			9,
ol :	9.7	1,3	TRACE	.0	.0	•0! •0!	.0	•01	.0	•0,	1.0		11.9
52	. 1	4.5		TRACE	-0	•0;	•0	•0	•0	TRACE	2.5		* 24.1
63	5.9	8.7		.0.	.01	• 0:	•0;	•0	.01	•0:	.0		18.5
04	1.4	2.0	6.7		• 0;	•0	•0.	•0	•0 <sub>i</sub>	0	TRACE	7.9	18.0
65	5.5	4.3	8.4	.0	• 0	• 0:	.0	•0	.01	• 2.	s 8	1.6	28.6
00	• 9			TRACE	•0	· 0	.0	•0	.0	TRACE	3.1	3.1	* B.
67 Ē	<b>⇒ 1.2</b>	1.0	TRACE-	. 3.	.0	• 0	.0	• 0	.0	• 0:	1.3	4.2	¥ å.:
68	15.7	7.5	. 4	1.6	TRACE	• 0.	.0	•0	•C	•0.	2.3	4.9	* 32.4
69	2.8	13.2	. 9	1.9	.0	• 0  =	.0*	•0	.0	•0;	2.4	7.6	≠ 28. T
70	10.7	7.7	10.2	1.1	•0	• C	.0	•0	•0	• O:	TRALE		38.
71	8	. 4	5 <u>. 2</u> .	, O	• 0	• O <sub>1</sub>	• 0	• 0	.0	• ^.'	4,5	TRACE	12.5
72	3,5	.7	• 3 <sub>:</sub>	• C	• 0	• C	.0	•0	.0	TRACE,	2.4		6.9
73	.3	9.8	1.4	. 6	.0	•0!	•0;	•0	.0	TRACE	3.2	1.6	15.5
74	TRACE	• 6		TRACE	• 0	• 0	.0	- •0	• 0	•0	•0		* • €
75	TRACE			TRACE	.0	•0	<u>• 0¹</u>	•0	•0'	TRACE		TRACE	8.0
76	7.5	4.3	TRACE	. 2	• 0	• O	• 0	• 0	•0	•0	2.3		21.2
77	14.2		1,2	TRACE		•0	•0;	•0	-0	.0'	5	1.0	16.5
78	2.8	9,1				441				THE STATE OF THE S		microman .	
MEAN	4.78	4.23	3.22	.50	TRACE	•00	.00	.00	•00;	TRACE	1.75	2.77	16.3
S. D.	4.407	4.151	4.302	1.260	•000	.000	•000	.000	.000	.000			10.03
TOTAL OBS	805	734	803	779	808	7.90 HAR FUL	771	779	780	306	טפּר		9429

USAF ETAC AN AL 0-00-5 (OLA)

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF (FROM DAILY OBSERVATIONS)

						AMO	II) STAUC	NCHES)						PERCENT	!	MON	THLY AMO	UNTS
PRECIP	NONE	TRACE	C1	.02- CS	C6-10	1125	26- 50	51-1 OC	1 01-2 50	2 51-5 00	\$ 01-10 00	10 01-20 00	OYER 20 00	1	NO.		(INCHES)	
SNOWFALL	NONE	TRACE	01.04	0.5.1.4	1 5-2 4	2 5-3 4	3 5 4 4	4 5-6 4	6 5-10 4	10 5-15 4	15 5-25 4	25 5-50 4	OVER 50 4	MEASUR-	OF OBS.	MEAN	GREATEST	LEAST
SNOW- DEPTH	NONE	TRACE	1	2 .	3	4.6	7.12	13-24	25-36	37-48	49 60	61-120	OVER 120	AMTS				
JAN	66.4	12.3	7.7	6.3	3.8	4-8	.3	! !	of management of					20.9	765		-	
FEB	72.0	7.0	6.8	5.6	4.6	3.0	1		*			:		20,2	733			
MAR	88.2	5.6	2.6	1.9	. 8	.8	. 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						6.2	772			
APR	99.3	.4	3	t was the area.		. 1		1	H INTO			-			779			
MAY	100.0		Malica & Cor					2							806			
אננ	100.0		1 m	-										-	780			
JUL	100.0							4 11	Po anti-					) II III 1	786			
AUG	100.0			1	- 7.5							M Hotel Grand		- we ii ai mii a	779			
SEP	100.0													11 m mm	780			
ост	100.0			1					- Property American		AND STATE OF THE PARTY OF THE P	reib socienza i		un inse mun	306			
моч	94.0	4.1	٠2	, 9		,3			Parametri Il Parametri I		On the second se	- Carried Department		1.9	780			
DEC	80,9	10.1	6.6	1.6	.4	.5		на компиния и по				Number of Mindesters		9.1	805			
ANNUAL	91.8	3.4	2.0	1-2	. 8	•8	.0	-						4.9	7371		X	$\searrow$

1216 WS - JUL 64 0-15-5 (OLI)

DATA PROCESSING RRANCH USAF/ETAC/OL A AIR REATHER SERVICE/MAC

## EXTREME VALUES

SNUW DEPTH

FROM DAILY ORSERVATIONS

34050 RAMSTEIN AP OL STATION NAME

52-78

YEARS

DAILY SHOW LEPTH IN INCHES

MONTH!	JAN	FEB.	MAR	APR	MAY	JUN.	JUL.	AUG	SEP	ост	NOV	DEC	ALL MONTHS
>2			<b>4</b> 1.	<b>か</b>	0	ე.	0	G,	0	7	Z	1	_
>3	<u>l</u> .		TRACE	<u> </u>			- 0	<u> </u>	<u> </u>	<u> </u>		TRACE	<u>\$</u>
54	5	2	TRACE	9	0	0	0	0-	٥	n		TRALE	
<u> 55</u>	<u>l</u>	5	3	9	0-		O <sub>'</sub>	C	0.	<u> </u>	TKICE	1	
56	1,	4	TRACE	Ō.	0	}_}	0	2	0	2	0	l	-
>7	3,		0	0.	0_	<u>0</u> ,	0	<u>0</u>	0_	7	<u>Q.</u>	TRACE,	
58	4	8.	- 5	TRACE	9	ก	0	0	0	Δ	C	3	
>9	4.	0	0	<u> </u>	<b>0</b> :	<u>0,</u>	0.	0	_0_	2.	<u> TR. CE,</u>	TRALE	·
٥٥ .	3		0	Ō,	0	ol	0	0	0	1	0.	2	3
ol	6			<u>O</u> ,	0;	0]		0	0:	0	TK'CE	1	, to
02	O,		5	0	0;	0.	Q:	0	0:	0.	4	TRACE	5
٥3 .	4	5.		C <sub>1</sub>	0		,O	<u> </u>	0:		0		•
04	0.	<del>-</del> 0	σ	0.	O	<b>D</b>	0,	0	0.	<u> </u>	0,		4
65	<u>^</u>	0		_O;	O;	OI	0	<b>O</b> ;	0	<b>)</b>	0		
06	Ci	0	_	O <sub>1</sub>	0:	ÚI	0,	0.	0:	7	0	Ψ,	
07	•	O	O <sub>1</sub>	O	0	o:	0;	0	0	9	Q		
08	* 5	_	Ora	٠,	0;	Ol	O <sub>i</sub>	0.	0;	0		- 3	* 6
09	3.	4	TRACE	TRACE	O'	0 ≠	0	0	_ 0.	0;	TRECE	_ 2	4
70	8,	2.	5	O <sub>1</sub>	0	0;	0	Ō;	0	0,		¥ ;	5
71	4			O	O,	O	O,	0:	0:	O <sub>1</sub>		TRACE	4
72 g	I,	TRACE		C	0	0;	0,	0:	O <sub>i</sub>	<u>0</u> .	1	0	1
73 ្	TRACE	3:		Oį	0	_ci	O;	0	O;	<b>)</b> :		1	3
74	<u>o</u> i		*TRACE	o	0	0	0	0;	0	O.	- 1	TRACE	TRACE
75	O,	O <sub>t</sub>	<b>7</b> ;	O,	0	o	0;	G'	Ol	0	0	0	7
76	- 5	3	TRACE	0	0	G	0	0,	0	0		1	Û
77	김	l,	Oį	0	0	O O	0	0	Q	9 <sup>:</sup>	TRACE	0 8	2
78	1	6	B III.	Hilbhata Indjany					No.	1100		No.	
MEAN	2.4 2.337	2.0 2.300	1.3	1.200	•000	•000	.0	•000	.0.	.000		1.2	4.5 1.954
S. D.	765		772	779		720		779					
TOTAL ORS.	(62	NUTE			806	780 HÁN FU	766		780	805	780	805	9371

USAF ETAC AN M 0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

#### PART C

#### SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTES value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTES.

NCTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual all hours combined, (2) By month all hours combined, and (3) By month by stendard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

Values for means and standard deviations do not include measurements from incomplete months.

DATA PROCESSING BRANCH USAF/ETAC/OL A AIR WEATHER SERVICE/MAC

#### EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

34050 STATION RAMSTEIN AT TL

<u> 51-73</u>

TEARS

DAILY PEAK JUSTS IN KNOTS

MONTH:	JAN	· .	FE8	МА	R	\P <del>Q</del>	MAY	·	("4	JUL.		NUG	SE		ост	NO			C.	JIA TNOM	ųş
οl					225	0.00			39W		355¥			3455			335		5 '		
	.SW				325#	385		26h	255		MES	<b>*44</b>		35E		\$ <del>!</del>	201		36	54	4
63		28E	20		365 ₩	3 /31		24 H			2455)			235%			186		19	'n	3
04		202K		ENE		355		3045x						335×		5¥	505		38	_ 5₩	_5
65	SW	461		ZM	34₩			355⊱	45%		44			2975	-	WS in	. ,		53	3	
<u>e6</u>	28	385			45%51			40HS8								55h			40	#5H	
07	NNh	132A	54	₩S⊁	39⊌	375	H	475¥	20W		19K-1	41	⊭S₩	25 HS	₩ 39	54	32	í	38	รส	Ź
	SW	425¥		SW	40≲₩		1 S W		262	3/	3527	/ 32	24/	2526	/ 25	. 87	26,	25/	26	_ S 4	4
09	22/	26,27	/ 32	24/	2727	432	27	2824/	232	3¥ :	3726	21	27/	2725	/ 20	25/	49,	4/	25	25/	4
70	105	2622	/ 53	25/	4024	37	8/	28' 9/	293	3/ 3	3824/	/ 27	22/	3527	/ 34	25/				22/	Ś
	28/	5324	/ 31	21/	2826	323	in/	3025/	352	5/ .	3223,	/ 48	15/	2422	/ 30	24/	37	47	31	28.	
72	5/				5025																5
73	247	2623	7 45	4/	2620	495	47	3925/	325	7/	3826	/ 30	27/	4225	/ 38	307					
74	27/	4526	/ 43	27/	39 9	245	8/	3028/	325	87	3025	/ 29	307	4022	/ 34						
75	27/	33110	¥ 24	25/	3323	7 30.	6/	36 9/	311	5/	3271	/ 30	21/	3627	7 30	251	40	2/	36	24/	
76	25/	4622	/ 28	25/	29 7	275	4/	3125/	295	6/	29 B	/ 38	23/	2958	/ 21	267	50	3/	32	26/	
	24/	4123	ر د ر	26/	3423	465	37	3527/	317	5/	2725	/ 20	25×	1957	* 22	287	51	97	38	23/	
73		4222	/ 32	1		, .		/	- 17	• •				17		,			-	,	_
				<del>'                                    </del>		-		<del></del> -	<del></del>		<u> </u>			<del></del>		-				<u> </u>	
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				1	l	1		- 1	1		i			- 1							
				<u> </u>	!											<u> </u>					
		l		1	1	1		- 1	1			1		i			1				
		_		<u> </u>		<u> </u>				-	_					<u></u> ,	إ			<u> </u>	<del></del>
MEAN			36.0			37,5	<u> </u>	5 3	11.4	اذ	6	3Z 8	_3	7	29.9	4'	2	30	5.2	- 4	9
\$. D.	L.	- :	452	1./•	332 7			34 6.	200										326		17
TOTAL ORS.	] 3	500	472		493 1385E	475		91	504		92	462	4	98	517	1	503		525	5	93

USAF ETAC AT M 048-5 (OLA)

NOTES \* (BASED ON LESS THAN FULL HONTHS)

\* (BASED ON LESS THAN FULL HONTHS AND +100 KNOTS)

PATA PRICESSING PRANCH ETAC/USAF AIR REALMER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405°	RAMSTEIN AF PL	e7-70,73-78	JAI;
STATION	Statuca mane	TLAS	40×1×
		ALL WESTHER	0000-0200
		CLA'S	HOUSE (L.S.T.)
		CCHOITIGH	

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16 ;	17 - 21	22 - 27	78 - 33	34 - 40	41 - 47	43 - \$5	≥55	* * * * * * * * * * * * * * * * * * *	MEAN WIND SPEED
N	. 4											.4	
NNE	• 5	•2.	:					•	1			. 8.	
Nξ	1.5	1.4		• 11				•				3.5	
ENE	2 . 3!	2.7		• 21				!	:			4 6.3	4.8
E	2 • 21	.9	• 2,	i			<del></del>	i	!			3.2	
ESE 🖁	• 21	. 3.					i				i	• 5	
SE	• I							1	1			3 • <b>1</b>	
SSE	!	•1.					·	<u> </u>			1	1	5.0
S a	• C:	• 2	• 5									1.41	
ssw ª	- 41	- 0		• 11			•			i		1.7	5.7
SW	• 9	2.1		1.4	.3							7.7	
wsw }	1.3	4.6		0.2	1.3		: 1	:				21.0	9.5
_ w _ §	2.6	3.8	4.1	3.11	1		<u> </u>	i	1	1	1	13.7	7.5
WNW	• 9	• 6		i				l		i		1.6	3.∜
NW	• 4;	.1					<u> </u>	<u></u>			!	5	2.6
NNW								<u> </u>		<u>l</u>	<u>i</u>	<u> </u>	
VARBL	2.5	• 51	1.5	1.3		. 2		<u> </u>				6.4	7.3
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq$	$\geq \leq$		31.C	
177. Hr. Hr.	16.9	18.3	19.0	12.4	1.7	ڌو.	-1					100.C	5.0

725 and Autor 25 Secretary 25

DATA PRICESSING REACH ETAC/USAF AIR FEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34059	RAMSTEIN AP DE	57-70,73 <b>-</b> 78		\$44
STATICH	3 41 woith t		.Ties	90419
		ALL REATHER		9300-9500
		េកក		=0485 (L.5 T.)
		C\$#2****C#		

SPEEC KNTS) DIE.	1 - 3	4.5	7 . 10	11 - 15	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	43 - 55	≥ક્ક	•	MEAN WIND SPEED
Ň	.3	•1										.4	2.5
NNE	.9	• 3										1.2	2.5
N.E	1.5	1.1.	• 9									3.4	4.4
ENE	2.2	2.8	• 5	• 1			-					5.3,	4.0
₹ .	1.3	1.8	+ 5									3.9	4 . 4
ESE ;	• 5	• 2			:							•5;	
Sξ	•1				-				,			•1	2.00
322			-1									•1	8.0
\$	• 2	•1.	- 3	:								•9	6.5
SSW	. 3	•5)	• 5	• <u>Z</u> :		• 1			1			1.3	
SW	1.5	2.3	3•6	1.5	.5	-1:			:			9.5	5.2
wsw .	2.0	4.0	7.2:	5.2	• 0	• 0	•1	:	,	:		19.8	9.4
w	3.4!	2.8	3.9	Z•2,	.21				!	!		12.5	7.0
www :	. 3		• Z:	1	:			1	:	_		1.0	3.0
NW .	. 3	- 2,			!				:	1		•5!	3.0
NNW	.1	ī	i						1			1 11	2.0
VARBL	2.7	•8;	2.5	1.5	.21	. 2	•1		]	1		8.0	
CAIM		$\overline{\mathbf{x}}$			> < 1	><	> <				> <	30.5	
	18.0	17.1	20.9	10.7	1.6	1,1	٠2					100.0	5.0

TOTAL NUMBER OF DESERVATIONS

JATA PRUEESSING BRANCH FTÅC/USAF AIR -LAIHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	2,45	TEIA 22	υL				÷.	-70,73	-78				ų.	AM
			Station	*4 * E						TELES:				0479
						ALL N	FITHE						0500	-0200
						•							200	(L#7)
		-		<del></del>		<del></del>	. <u>5</u> .7±4				-3 <b></b> -			
hammer on the special states	SPEED (KNTS) DIR,	1.3	4 - 5	7 - 10	11 - 16	*7 . 2;	22 - 27	28 - 33	34 - 40	41 - 47	43 - 55	<del>~~~</del> ; ≥56	*	MEAN WIND SPE'T
I	N		-1			_			. —	<del></del>			•6	2.3
Ì	NNE	• 6	•6	•1					-	<del></del>			1.4	4.0
Ì	NE .	1.3	1.2	+ ÷						<del></del>			3,1	4.3
Ì	ENE	1.9	Z-3	1.7	•1								0.0	5.0
Ì	<del></del>	7	7.5	- 3					:			·	£ 7	

DIR.											-		255,2
N	• 5	.1							<u> </u>			•6	2.3
NNE	• 6	•6	• ī									1.4	4.0
NE .	1.3	1.2	• 4									3.1	4.3
ENE	1.9	Z-3	1.7	•1				-				. 0.0	5.0
E	7	2.2	• 3	•1.								2 4.7;	4.0
ESE	زۇ .	. 3:						:				5:	₹.7
SE :													
SSE		٠٤.	• • •									5	5.5
S	2	•1-	•1		:							.4	4.5
SSW	. خ		1.1	•1					•	i		2.2	7.1
SW	1.5		3.4	2.3				:		•	Ī.	9.4	5.6
wsw	1.2	3:3	7.1	4.9	.6:	. 3		:		:	-	17.5	9.5
w	1+3		5.5	1.3	+2:	.1			:			12.0	5.0
WNW		- 8!	•21	i	1			-	1	!		1.5	4.4
NW	• 1:							-	1	1		.11	3.0
WAS	3 3		1	:	- 1					<u> </u>		nine .	
VARBL	3.9	•5	2.5	1.3	.11				ļ	i	7	3.4	5.9
CALM			$\geq <$			$\geq \leq$	$\geq$			$\bigcirc$		31.2	
	à.9	14.6	23.1	10.2	1.3	•0			1	1		100.5	4.9

30.00 SPONTAVESSED PC SEEMUN LATOT

USAFETAC THE SHARE COL-A) PRIVIOUS EDITIONS OF THIS HOLE ARE OFFICER

BATA PROCESSING FRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RANSTEIN AR DE	<u> 5</u> 7-70,73-	78	ĴAN
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		0900-1100
		CLASS		HOURS (LST.)
		CONDITION	L-1	

SPEED (KNTS) DIR	1 . 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 49	41 - 47	48 - 55	≥56	***************************************	MEAN WIND SPEED
- ` -	• 4		i				!		i	:		•4	2.0
NNE	• 4	• 5	-1	• 4			·					1.5	6.0
NE	1.4	1.6	•9	• 1						1		4.0	4.7
ENE	2.2	3.2	1.0	• 4	- 1				Ī			7.4	55
E	2.8	• 9	1.0	و نو								5,7	4.8
ESE	• 4	. 3					7			:		.81	3.0
SE	• 3									!		.3	2.0
SSE	• 2	• 1	i									• 3	2.7
5	• 1	1.2		<u>ئے ،،</u>						:		2.0	6.9
ssw	• 0	• di	• 9	• 4			i					2.7	6.8
sw	1.3	2.0	2.4		. 4							8.4	8.6
WSW	1.1	2.4	8 • 4	7.6				1				20.0	9.7
w	2.0	3.9	5.1	3.0	. 3							14.3	7.03
WNW	.9	. 5	. 2	• 1				1				1.7	4,3
NW_				• 11								.1	14.0
WNM	• 1							ì		-		.1	2.0
VARBL	3.2	- 6	1.6	1.8			i	1	]			7.3	6.2
CALM	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$						22.9	
	17.5	18.1	23.2	17.0	1.2	او	1					100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

A TO SEE LINE LANDER IN

USAFETAC FORM  $_{AR.64}$  0-8-5 (OL-A) previous editions of this form are obsolete

DATA PRUCESSING PRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	'RAMS	STEIN A					67	-70,73						IAH
ROITATE			STATION	I NAMÉ		ALL WE	PATHEK			EARS			1200	04TH )-1400 (L 5.7.)
						CONI	DITION				<del></del>			
	SPEED (KNTS) DIk.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 • 55	.: ≥56	%	MEAN WIND SPEED
	N	.6	.2	• 2									1.1	3.8
	NNE	8.	• 9	• 1										4.1
	NE	1.2	2,4	•51									4.1	4.5
	ENE	1.4	2.4	2.0,	• 9						1		7,2	6.4
	E	1.0	1.6	2.2	ۇ ،								5.1	6.4
	ESE	• 5	. 1		• 1							;	•8	3.9
	\$E	• 1	• 1 • 3										•4	4.0
	SSE	.3	.1										•4	2.8 7.5
	S	• 1	• 5	• 5	• 2								1.4	7.5
	SSW	1.0	1.1	• 9	ن				L				4.3	5.6
	SW	. 4	2.3	3.2	3∙ù	.4	2					!	9.6	10.0
	WSW	1.2	4.1	7.6		.9							21.5	9.6
	W	1.8	3.0		4.8	.6					<u></u>		15.6	8.8
	WNW	. 8	. 6	• 3	-1						<u> </u>	<u> </u>	1.8	5.2
	NW	• 4						<u> </u>			<u></u>		•4	2.5
	NNW	. 2	.3						İ				•5	4.0
	VARBL	2.3	1.5	3.8	1.4	. 2			Ļ,	<u></u>	L	ĻJ	9.1	7.1
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			14.9	
	1	الحير ال		27 1	30 (	-7 11	_		1	1	1	1 1	100 0	. 7

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING PRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RANSTEIN AR DL	57-70,73-78	JAH
STATION	STATION NAME	YEARS	4041X
		ALL XIATHEL	1500-1700
	<del></del>	CLASS	HOURS (L.S T.)
		CONDITION	<del></del>

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	43 - 55	≥56	. %	MEAN WIND SPEED
N	• 4	.0	1				i	1	!			1.1	3,5
NNE	1.6	• 6		i					i.			2.5	3.5 2.7
NE	2.5.	2.3	€.								<u> </u>	5.3	4.1
ENE	1.6	3.2	2.0	1.1						Ŧ	1	8.0	6.1
E	. 5	1.8	1.6	•5						-		4.5	7.0
ESE	• 1	• 4		- <del></del> -		_		Ţ —	-	ı	1	• 5	4.2
SE		-11	i							!	·	· 1	6.0
SSE	. 3.	• 1	• 1,				:					• 5	4.2
S	<b>.</b> 9,	. 8	• 3	• 11								2.0	5.5
ssw	1.2	1.7	• 5			i				I		3.9	5.5
sw	• 0	2.9	2.9	2.3	. 1				i	-		8.8	8.0
wsw	1 • 2	4.1	10.5	5 . 2!		• 2		1				22.8	9.2
w	2.7	3.9	5.1	2.4	.1	+2						14.3	7.4
WNW	• 6	. 5	• 6				}			Ī		1.8	5.3
NW	• 5	• 1							i	i		.6	2.7
N;tW	• 3	. 2								1		.5	3.2
VARBL	2.4	1.8	2.5	1.0	. 1	• 1				1		8.2	6.7
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$				$\geq$		14.3	
	17.8	25.3	27.0	14.0	1.0	5						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 92

DATA PROCESSING BRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

929

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

340_0	P. AHS	TEIR AP	υL				<b>67</b>	-70,73	-78				J	IAN
STATION			STATION	MAME						EARS			N	ONTH
						ALL W	FATHER						1800	-2000
		_				C1	ASS						KOURS	(L.S.T.)
		_				CON	DITION							
	SPEED								Ī			11		MEAN
	(KNTS)	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	] ≥5ວ :	% ]	WIND
	DIR.	:		i					<u> </u>	1	<u> </u>		<u> </u>	SPEED
	N	- 41	• 1	ı							l		.5!	2.4
		. • 5	• 6	i									1.3	3.5
	NE	1.5	2.4	• 5						1		1	4.6	4.5
	ENE	1.3	3.0	1.3	• 2				İ	l	i		6.9	
	E	2.0	1.9	• 21								1	4.5	4.1
	ESE	• 6		•1								l <sub>2</sub>	•8	2.9
	SE	• 1		[						ļ			-1	1.0
	SSE	• 1	• 1	• 1									.3	5.3
	S	• =	• 3	• 3							1		1.0	4.8
	ssw	• 5	•4	•5						<u> </u>	1		1.5	5.4
	SW	1.3	1.6	3.3	Z•5	.3					1		9.0	8.4
	WSW	1.5	4.7	7.3	5.9								20.3	8.8
	W	3.7	4.2	4.1	1.7	.3							13.6	6,6
	WNW	• 5		• 1	• 1							İ	•9	4.6
	NW	• 3						•	-				.3	2.0
	NNW													
	VARBL	1.0	1.2	1.8	1.2	.3					1		6.1	7.4
	CALM					$\overline{}$	>						28.2	
			$\leftarrow$	$\leftarrow$	$\leq$	$\leftarrow$	$\sim$	$\vdash$		$\vdash$				

DATA PROCESSING RRANCH ETAC/USAF AIR #EATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AF DL	67-70,73-78	JAH
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	2100-2300
		CLASS	HOURS (L S.T.)
		CONDITION	
		······································	

SPEED (KNTS) DIR	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 • 27	22 - 33	34 - 40 :	41 - 47	48 - 55	≥56	r Ľ	MEAN WIND SPEED
N	- 41	• 21	·	i				7	1	1		. 6	3.0
NNE	• 5	• 3	- 1	i								•6	3.3
NE	1 + 1	. 8	• 4:	i							_	2.3	4.0
ENE	1.9	4.0	1.0.	• 6						1		7.6	5.5
Ē	• 7	2.3	• 4						i			3.5	4.1
ESE	- 5								i .			•5	2.2
SE		,11		Ī						1		• 1	4.0
SSE	• 11	٤.	• 1.									• 4	4.5
S	• 0	.3	•1					i				1.1	3.7
ssw	• 3	.9	•0	• 2			i			T T		2.0	6.7
sw	• 5	1.8	2 • 2	1.3	.2	• 1	i	i				6.3	8.3
wsw	1.2	4.2	7.4	4.0	1.2	• 4		:				, 20.4	9.6
w	1.9	4.7	4.2	3.3	• Ž		i					14.4	7.0
WNW	1.0	•1		.2								1.3	3.8
NW	. 3							l l	Ĭ			• 3	2.0
NNW	• 1											.1	2.0
VARBL	2.3	• 6	1.9	٠ŝ	, 3		Ι					5.9	6.7
CALM		$\times$	$\supset \subset$	$\times$	$\geq <$	> <						32.3	
	13-8	20.5	13.4	12.0	1.9		]					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

UATA PROCESSING FRANCH ETAC/USAF AIR HEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

RAM2	PAMSTEIN AP OL						<del>-70,73</del>						AN
		STATION	HIME					,	1E205				DMTH
						EXTHE.							LL
					C:	LASS						HCURS	(L.\$ T.)
	_				cox	DITION		· ·					
SPEED		1						]	<del>v=</del> -	I g		Sec. 1	MEAN
(KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	\$ % <u>{</u>	SPEED
N	. 51	.21	بن.							ì		.7	3.
NNE	• 7,	. 5	• U	• ]:					1	1		1.4.	3.
NE .	1.5	1.6	• 5	• Q					<u> </u>			3.8	4.
ENE	1.9	2.9	1.0	•51					!	i		5.9	5•
E	1.0	1.7	1.0	• 2 !				:	:	i		1 4.4	4.
ESE	•4	15.	• Ü;	•0'					i	1		.61	3.
SE ;	•1								i — —	!		• Z	3.
SSE	•1:	•1	•1						i			-4	4.
<b>S</b> ,	• 4	.41	• 4	•1						1		1.3	5•
SSW 1	7i	. 5	•7	· J.		.0						2.5	6•
sw	1.0	2.1	3.0	2.1	.3	.1		!	!			8.6	8.
wsw	1.3	3.9	7.8	6.2			•0			T		20.4	9.
w	2.4	3.6	4.6	2.7	.3	. 1						13.8	7.
WNW	6.	•4	• 2	•11								1.5	4.
NW	• 3	•1		•0			•			1		.4	3•
WWW	. 1	-1							T	1		•2	3•
VARBL	2.6	1.0	2.4	1.3	.2	.1	•0	<u> </u>		<del>                                     </del>		7.4	6.
CALM	><	><	> < 1	$\supset \subset$	> <	><	> <			$\supset \subset$		25.7	
	16.5	19.8	22.4	13.5	1.6		. ^			<del> </del>		100.0	5

TOTAL NUMBER OF OBSERVATIONS 7430

DATA PROCESSING PRANCH ETÁC/USAF AIR FEATHER SEPVICE/MAC

3

RAHSTEIN AS OL

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

67-70,73-78

\$141WA			3141104							140-0				<b>Q</b> -1.11
						ALL ME	EATHER						0000	)-c200
		_					LASS				_		HOURS	(LS T.)
						CON	DITION							
											<u>_</u>			
	SPEED		1										7	MEAN
	(KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	. ≥56		WIND SPEED
	UIK.	1		<u> </u>		!			<u> </u>	<u> </u>	1	<u> </u>	<del></del>	
	N	• 6	• 4;	:					!			<u> </u>	. 9	3.3
	NNE	• O,	• 6;							<del>!</del> _	!		1.2	
	NE	1.7								1			5.0	
	ENE	2.5	2.7	2.0	• 5								7.7	5•4
	E	3.2	1.7	1.4	- 1							1	5.4	4.4
	ESE	£ •5	i			i						1	•5	1.8
	SE	• 2	• 1:			I	:						• 4	3.0
	SSE		• 11			i						1	• 1	
	\$	d .1:											•6	7.0
	ssw	i • ó;					• 1						1.9	7.6
	sw	i • Ó:			2.0		•1		!				6.3	10.4
	wsw	1.1;	2.5	6.9	4.4	1,.3	•6						1 16.7	10.1
	w	2.1	2.2	2.6	• 7			•1,					8.0	6.5
	WNW	• 4	• 1!	1									.5	
	NW	.1		i					! <del></del>	l		1	•1	2.0
	NNW	1 +1											•1	2.0
	VARRI	7.7	. 91	1.1	4.5	- 1				T	T		5.4	5 • Z

TOTAL NUMBER OF OBSERVATIONS

846

100.0

DATA PROCESSING PRAMCH ETAC/USAF AIR -LATHER SERVICE/MAC

34050

RAMSTEIN AR CL

. li

NNW VARBL

## SURFACE WINDS

FEB

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

57-70,73-78

MOLTA			STATION	WYRE					,	TELES			*	ONTH
				_			EATHEX							-0500
						- c	uss						HOURS	(L.S.T.)
		~				cox	0,5104				<del></del>			
				<del></del>					-					
	SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	. 3:	.21	1			<u> </u>		1		-		1.1	2.2
	NNE	1.1							İ		i	9	1.3	2.5
	NE	1.91	2.2	• 5						i — —			4.7	4.4
	ENE	2.4	3.4	2.0	• 5						-		8.9	5.0
	E	2.1	•9	1.1	•>		Ī -		1	i			4.6	5.1
	ESE	• 0	• 9							Ī		3	•9	2.5
	SE :	5					1				:	ħ	•5	1.5
	SSE		-2	•1			i				1	i	• 4	7.0
	S	.4:	• 4	•1			i .					i i	.8	4.0
	ssw :		1.2	• 2	•1						,	-	1.5	6.2
	sw	• 5	1.1	2.5	2.6		1 .1		Ī	l .		4	5.7	9.8
	wsw	1.1	3.7	0.5	4.5	.6	1.4				i	7	17.8	10.3
	w	1.8	2.5	2.8	•6	.1	•1			]			7.9	6.5
		71					;		1		-			

TOTAL NUMBER OF OBSERVATIONS 846

4.3

37.9

100.0

3.0

DATA PROCESSING BRANCH ETAC/USAF AIR MEATHER SEPVICE/MAC

#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAM.	STEIN AP	ካቢ			57-70,73-78							FEB	
STATION			STATION	HIME						TELES			40	ATM
						ALL WE	្នក្រក្						0600	-0800
		_					A 5 5	·					NOV ES	(LS 7.)
						core	HTIC*							
							· · · · · · · · · · · · · · · · · · ·							
											<del>,</del>	<del>,</del>	<del></del>	
	SPEED										1			MEAN
	(KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21 1	22 - 27	25 - 33	34 - 40	41 - 47	43 - 55	≥56	*	WIND
	N	. 7	•21	<del></del>		<del></del>		x_	<del></del>		-		.91	2.5
	NNE	1.0	• 2						<del></del>	<del></del>	<del>`                                      </del>		2.0	2.3
	NE	1.9	2.1	• 9.		İ				<del></del>	:			4.5
	ENE	1.7	4.3	2.1	• 4,	1							8.4	5.5
	Ε	2.4	1.1	• 5:	• 0				<del></del>	1	<del>                                     </del>		4.8	5.0
	ESE	2 1.1	• 0	•1:		i			:		•	j	1.8	3.3
	SE	£ •1	• 1	i					ì	1			•2	3.5
	SSE	i . č				i				1	Ī	!	-2	2.0
	5	3 .11	.61	.5.						<del></del>				5.4
	SSW	<u>1</u> .7	• 51	• 5	•1				-	i i			1.8	5.7
	S₩	h -5	1.7	3.3	1.9		.2		:				8.0	9.5
	wsw	1.1	3.5	5.0	3.8	1.4				i	İ		14.9	9.7
	w	2.0	3.2	1.9	• 8	.5				į.		i l	8.9	7.9
	WNW	4 .4	•4	<del>- u</del>	1	i				<u> </u>			-81	4.1
	NW	4	1	1	1	i			<del></del>				•4	1.7
	NNW	l.		j						T			,	
	VARBL	5 3.1	• 3	1.4	•5	.4				<del></del>			6.1	5.4
	CALM							$\overline{}$					34.5	
		$\leftarrow \rightarrow$	$\longrightarrow$	$\longrightarrow$	<u> </u>	$\longrightarrow$	$\leq$	$\leq$		<del> </del>	¥≦c—>	$\leq$		

USAFETAC  $\frac{\text{FORM}}{\text{AR}}$  0-8-5 (OE-A) PREVIOUS EDITIONS ON THIS FORM ARE OBSOLETE

DATA PRICESSING PRANCH FTAC/USAF AIR VEATHER SERVICE/MAC

RAHSTEIN AR DE

34051

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

57-70,73<u>-</u>78

						EaTHER AM							-1100
					-								
	_				¢3*	D:TECS							
SPEED -		:	1				:						MEAN
(KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27		; 34·40 ;	41 - 47	48 - 55	. ≥56 9	* }	W:ND . PEED
N ,	.5	.4	<del>i</del>					:	!	1		.81	3.0
NNE	1.1	.8.					-		i	I	:	1.9	3.2
NE .	1.3		1.4					ì		1		5.4	
ENE	1.7	3.1:	5.0	• 1						i	1	9.8	
€ ;	1.9	1.8	2.0	• &						;		6.5	5.9
ESE =	• 9	• 1					•	-		į	)	1.1	2.3
SE .	. 4	•1:					<del></del>	1	T	T	1	.5	2.0
SSE }	• 5	•4							1			.8	3.3
\$	-1	- 6					;	Ī				1.3	6.0
ssw I	• 0;	.7	•9	•2			Ī	1	l		,	2.5	5.4
sw 📱	• 4	2.0	3.8	2+1	•5	• <i>l</i>	•2	I		1		7,1	9.9
wsw	1.1	2.0			1.5	• 1					]	15.5	10.2
w	2.2	2.8	2.7	1.7	.6	. i	Ī_		•		l I	10.2	7.6
WNW	.7	• 1	•2									1.1	3.7
NW i		.1					•	-				•1	5.0
NNW	•1	•1						i_		T		•2	3.5
VARBL	3.9	1.3	3.2	1.2	• 2							9.8	5.9
			$ egthinspace{-1mm}$	$\overline{}$	$\overline{}$		ベア					23.4	

TOTAL NUMBER OF OBSERVATIONS

346

DATA PRICESSING PRANCH ETAC/USAF AIR #EATHER SERVICE/MAC

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AR DL	57-70,7	3-78	FEB
STATION	STATION NAME		752.85	40419
		ALL WENTHER		1200-1407
	<del></del>	CLASE		BOURS (CS T.
		CONSTITUE		

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	.da - 55	≥56		MEAN WIND SPEED
N	• ¢'	1.2	•1		;				-			. 1.91	4.4
NME	1.0	1.3	• 2'									3.3	3.7
NE	2 • 5	4.11	2.5	• 21		-					:	9.5	5.3
ENE	1.3	2.6		1.5	1							9.5	7.5
E	. 91	1.2	1.4								-	4.8	7.5
ESE -	. 7		• 4	• 1i	:			-			,	1.2	4.9
SE									I			21	2.0
SSE	• 0	• 2	•1,									1 .7	3.5
S	5!	.7	• 4		j	:		i	<u> </u>			1.5!	5•l
ssw	_ • 9	. 9	1.5	•11					!			3.5	6.0
SW	. 3	1.1	4.0	2.4	. 9	- 5	•1	1			7	9.8	10.8
wsw	. 7	2.5	5.7	0.1		• 4			!			16.3	10.3
w	1.4	3.4	4.1	3.3	#, B	- 4			L.		ļ	13.5	8.9
WWW	. 4	•9	•5	•11	-1						1	2.0	6.4
NW	• 51	• 2	i									.7	3.2
NNW	•1	.7		i			,	Ī .			7	.8	4.0
VARBL	4.1	1.9	4.1	2.6	• 11				1	i	1	12.9	5.9
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			$\geq \leq$		7.6	
	18.1	23.0	29.1	17.8	3.3	.9	•1				THE STATE OF THE S	100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 841

DATA PROCESSING PRANCH ETAC/USAF AIR NEATHER SERVICE/MAC

34650

RAMSTEIN AS DE

#### SURFACE WINDS

ŕ£3

100.0

TOTAL NUMBER OF OBSERVATIONS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

67-79,73-78

STATICE			\$717104	FIRE					,	*61.83				iOnt#
						ALL NE	FATHER						1500	-1700
		_				61	7.53						-0183	(LS.T.)
		-				53×3	3.508				<u> </u>			
		-						~~						
		<del>,</del>								<del></del> -			·	
	SPEED	4 .		- 10		:				, ,				MEAN
	(KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47 i	43 - 55	. ≥56 !	*	DUING
	N	1.7	. 7	•4						<del></del>			2.7	3.6
	NNE	2.2	1.d;	• 5									4.5	3.9
	NE	, l.d	5.8	2.1	ء خ								9.9	5.4
	ENE	1.5	7.5	3.6	• 0					I			8.21	6.3
	Ē	1.2	.81	2.4	1.71								6.01	3.0
	ESE	4								1			.81	
	SE	2	.2					_		1	1		•5	3.0
	SSE	•5		» Li		ı							1.21	
	5	1 1.2	.9	-5						<u> </u>		:	2.5	4.5
	SSW	.9	1.1	•9	• 4					I	1		3.3!	
	SW	.4								<u> </u>			9.0	
	W2W	1.0		4.7		. 9				ļ			14.9	
	w	2.0		4.5	2.8	. 8	1	• 1		l	1		16.2	
	www.	7		• 2									1.9	4.5
	NW		.6	•1						<u> </u>			1.2	4.0
	NNW	H									:	i		
	VARSL	3.3	2.6	4.7	1.2					1			11.3	
	CALM			$\sim$			$\sim$						7.2	_

USAFETAC FORM 0-3-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRIPTE

26.6 27.9 15.0

DATA PRICESSING TRANCH ETAC/USIF AIR HEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OESERVATIONS)

34050	RAMSTELA AR DL	e7+70,73-78	FEá
STATION	Sar Mottes	168	ecate
		ALL #FATHFA	1800-2000
	<del></del>	CLASS	HOURS (L.S.T.)
		Manager of the control of the contro	

275ED (KNTS) DIR,	1-3	4-6	סי ל	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	₹ :	MEAN WIND SPEED
N	• E.	.4:	•1		,				-			1.3	2.0
NNE	1.5	• ¢;	• 2,									2.4	3.1
NE :	2.7	3.0	• •									5.0	3.3
ENE _	3.4	4.5	5.2	• 2								11.1	5.3
E Î	3.4	2.1	• 4.	-4								± 4.91	
323	• 7:	į										1 •7.	1.0
SE	10,	• Z'					,	-	i		-	8	3.
SSE :	. 2	• 4						:	1		]	5	3 • 6
\$	. 5:	• 5	. 4.				,					1.51	5•5
\$5.M	+ 6;	1.9	1.2	• 1.	-1		:			;		4.1	5.6
SW	• 0;	1.7	2.1	1-3!	.8	• 4	•1	-	1	i_		§ 7.21	10-1
wsw 1	1.5	2.0	3.5	3.0	.7			:				13.5	7.
w i	2.4	2.1	1.7	• 9	. 9		!					3 8.1	7.2
WNW I	• 4;	-4	, 4	•1								1,2	6.2
NW 2	• 4	• L								I		•21	3.5
NNW	-4		1				***		I	1		.4	2
YARBL	2.4	- ól	1.1	• 3			ž		İ	1		4.9	5.4
CALM	$\geq <$	$\geq \langle$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$				29.9	
7.5	22.3	20.5	16.5	7.8	2.6	.4	• •	I	The state of the s			100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE CRISOLETE

**€ ਭ** 

DATA PROCESSING PRANCE ETAC/USAF AIR PEATHER SERVICE/MAC

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34051	PARSTETS OF TE	÷7-70,73-78	FEB
STATION	STATES SANT	5246	#0e!#
		ALL WESTHER	2109-2300
		CLE	ACRES (LET.)
		(2000年)にでは <del>の</del>	

\$P\$ED (XN75) D.R.	1 - 3	4 - 5	7 - 10	11 - 16	17 - 21	$\boldsymbol{v} \cdot \boldsymbol{v}$	25 - 33	34-46	41 - 6	43 - 55	≥56	∮ : : <b>&gt;</b>	MEAN WUKO SPEED
N	• 0								,				1.8
NNE	• ₹	• 4	• **									1.5	4.4
NE	2.2	1.4	• 5								:	4.1	3.7
ENE :	2.	4.4	2.1	•5	:							9.0	5.4
€ .	2.5	2.5	•0	• 7'								6.3	4.7
ESE	.7							:	i i	,		.7	1.0
SE :	· 2:									3		.21	2.0
SSE	.2	• 2.	•1:						:	:	-	•6	4.5
\$	• Z	• 0	• Z!	• 1;					2		•	1.2	5.9
\$374	.21	1.1!	1.3				•1		-	1	į.	3.1	8.3
TH. 1	₹,	1.15	1.7	1.4	.5	-5	•1	.1		! !	,	6.5	10.5
WZW	1.1;	2-4	5.0	5.0	.5				1	6	1	14.C	9.6
w	1.9	2.0	2-01	• 9	+4	•1				1	:	7.3	7.0
WNW	• 2!	1	₽λI	**					,		į .	.5!	7.5
NW .	• 11	1	i	_ i					1	1	1	<u> </u>	3.0
NNW	• 21	1						:		ī ——	1	.21	3.0
VARBL	2.7	.5!	• 9	+5	• 4					1	i	5.C	5.5
CALH	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$				39.1	
	16.7	17.0	14.9	9.0	1.8	• 6	• ₹	.1				100.0	4.3

TOTAL NUMBER OF CESERVATIONS

84.

USAFETAC SEE 6-9-3 (OL-A) PREVIOUS FORMOS OF THES FORM ARE ORSOLDE

DATA PROCESSING MRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34053	RAM	STEIN AP	DL DL	wild to			07-	70,73		CARS			_ <u>-</u>	EB DHTH
*10.1198						ALL W	ATHER MAN	·	· · · · · · · · · · · · · · · · · · ·		_		Δ	LL ((31.)
						сом	DITION							
	SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	18 - 55	≥56	1 ( ) d 1	MEAN WIND SPEED
	N	• 0	.4	• 1				<del></del> -			,		1.3	3.
	NNE	1.4	.7	• 6								·	2.31	3.
	NE	2.0	3.1	1.1	• [:		1						5.2	4.
	ENE	1 2.0	3.4	3.1	• 51	.0					,		9.1	5.1
	E	4 2.2.	1.5	1.3	• 8i						,		5.7	5.0
	ESE	.7	• 2	• 1	• Çı								1.0	3.0
	SE	. 3.	• 1										•4	2 • 9
	SSE	. 3	.3	• 1				-					1 .6	3.
	5	•4:	• 6	• 4	• Vi						;		1.3	5 • 5
	ssw	• 6	1.0	• 9	• 2	•0	• 0	•0					2.7	5 • ∶
	sw	.5	1.5		2.1	• 5	٤.	• 1	.0		i		7.8	10.
	WSW	1.2	2.6	5.7	4.7		. 3						15.4	9•
	W	2.0	2.8	2.3	1.5	.5		• 1					9.8	7.
	WNW	• 4	.4	• 2	• 0	.0					i		1.0	5•
	NW	• 2	. 1	•0									.4	3.
	NNW	- 1	. 1		l						i		.3	3•
	VARBL	3.0	1.2	2 • 2	1.0	.2					<u></u>		7,5	6.0
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		27.2	
		18.1	19.9	20.7	10.9	2.3	. 7	. 2	-0				100-0	*

TOTAL NUMBER OF OBSERVATIONS

HATA PROCESSING PRANCH FTAC/USAF AIR HEATHER SERVICE/MAC

RAMSTLIN 49 AL

34050

### SURFACE WINDS

MAR

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPFED (FROM HOURLY OBSERVATIONS)

66-70,73-77

STATION			STATION	MAJE						72185			*	ONTH
		_		<del>-</del>			EATHER un			<del></del>				0200
						C.	.433						HOURS	(L S T.)
						CON	DITION							
													···	
	SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	<b>2</b> % - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	UIK.	<u> </u>							i	! <del>!</del>			!	
	N N	• 41	<u>: ز.                                    </u>	•1:					! 	<u> </u>				
	NNE	• 6;	•2	- 1;						<u> </u>	<u> </u>		1.00:	3 • l
	NE	1.01	2.7						L	:	<u> </u>	!		
	ENE	1.2	3.0		<u></u>				!	!				5.4
	E	1.7	1.4	• 21					1		<u> </u>		3.3	3.5
	ESE	. 3!							i	<u>i</u>		<u> </u>	•4	
	SE	<u>!i</u>	•1	l				<u> </u>	<u> </u>	ļ		<u> </u>	.1	6.0
	SSE	<u>                                     </u>	<u> </u>	!				<u> </u>	L	<u> </u>			•2	3.5
	S	• 1	.1	-1!				<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>                                     </u>	•3	5.3
	ssw	+1	.2	• 1	<u>•1</u>				<u> </u>	<u> </u>			•6	8.8
	sw	1.0		2.7	1.7	.4			<u> </u>	<u>i                                     </u>	<u></u>	<u>                                     </u>	7.5	5.6
	wsw	1.3	2.5	3.9	3.3		. 2		<u> </u>		]		11.3	9.3
	w	2.5	3.4	1.6	1.3	• 2				1		<u>                                     </u>	8.8	6.4
	WNW	1.3	• 9	• 2	-1							1	2.5	4.1
	NW	. 5	. 2	•1				<u> </u>		<u>i</u>			•9	3.6
	NNW		. 1						L				•1	4.0
	VARBL	2.3	.3	1.0	• 2						<u> </u>		4.0	4.3
	CALM		><	><	><	><							45.0	

TOTAL NUMBER OF OBSERVATIONS 929

100-0

DATA PRUCESSING PRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

を225

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34056 RAMSTEIN AF PL 56-70,73-77 MAR

STATION NAME

ALL WEATHER

CASE

AUGUST 1500

ROURS (LS T.)

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	· %	MEAN WIND SPEED
N	• 0.	.3	•11	<del></del> -i				Ī	<del>                                     </del>	1		1.1	3.
NNE '	• 4	ر خ						:		1		. 8	3.
NE	1.7,	2.8	1.3					(	1			5.8	5.
ENE	1.2	3.5	1.8	1				1	,	1		5.6	5 •
E	1.4	1.2	اذ ه					1	:	<u> </u>		2.9	4
ESE	• 2			<u>-</u>				1	!	1		•21	2
SE /		.2	i					1	!	1		.2	4
SSE	• 2							<u> </u>	<del></del>			.2	2
5		. 1	• 1						!	!		2	7
SSW	. 1	.3		• 2				<u> </u>	1	Ī		•9	8
sw	1.0	1.3		1.5	• 2	• 6		i	i	1		6.5	8
wsw	.9	2.4		4.5					1	1		14.8	
w	1.9	3.1	1.5			!		T	:	T		7.8	6
WNW i	. 3	1.0	• 1						1	<del></del>		1.4	3
NW	.4	. 3						1	1	1		· 81	3
NNW	•2		•1						1			.3	3
VARBL	2.7	.4	•6	• 2					1	\		4.0	3
CALM	$\supset \subset$		> <		>	><		> <				45.6	
	15.3	17.3	14.7	7.7	1.0	.3			1	T	·	100.0	3

TOTAL HUMBER OF OBSERVATIONS 930

USAFETAC JOBA 0-5-5 (OL-A) PREVIOUS SOTTHIS FORM ARE OBSOLETS

DATA PROCESSING RRANCH ETAC/USAP AIR "EATHER SERVICE/MAC

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

930

# PERCEP: (AGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	R_M	STETH AF					56	-70, <u>7</u> 3.	- 77			_		1AK
STATION			*TATION	HAME					1	TEARS				ONYH O
						ALL M	EATHER							)-0800 (L 1 T.)
							~**						40045	(
					<del></del> -	CONF	DITION							
			·											
	SPEED (KNTS) DIR	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 • 55	≥56	*	MEAN WIND SPEED
	N	. 31	• 1	• 2						<del>                                     </del>	<del> </del>	<del></del> j	•6	4.5
	NNE	.4		•1							† — —	. 1	.8	
	NE	1.1	2.2						i		1	i i	4.3	
	ENE	1.5				į i	i	i i	ĺ	1	i		7.5	5.6
	E	1.0					[		i	Γ -	<del> </del>	i	4.1	3.8
	ESE	1 .2	+1!						[	i —	<del></del>	1	.3	2.7
	SE	1	i			<u> </u>		i		i	T			
	SSE	. 1		• 2		,					1		.3	6.3
	S	. 4	• 1						1				•5	2.4
	SSV/	• 5	.5		• 2						1		1.9	6+4
	SW	ز.		2.0	2.7				7				7.8	8.8
	WSW	1.4	3.7	5.2	3.8	1.3	•1				T	;	15.4	9.3
	w	2.5	2.4	2.0	1.1						T		8.4	6.5
	WNW	. 3	. 3	•1	• 1								1.3	4.1
	NW	• 2		•2				$\overline{}$	· -				•4	5.0
	WWW	.2	İ										•2	2.5
	VARBL	2.4	. 3	1.1	• 1	.1					T		4.0	4.7
	CALM	$\geq \leq$	$\geq \leq$	$\boxtimes$	$\times$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\geq$	$\geq$		42.0	
		17. 5	17 4	15.6	Q. 1	2.0	,				T		100 0	2 0

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AP DE	56-70,73-	77	MAR
STATION	STATION HAME		TELES	MONTH
		ALL WEATHER		0900-1100
		CLASS		HOURS (E.S.T.)
		CONDITION		

SPEED (KNTS) DIR,	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	: : 34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N ·	1.0	1.2	• 3								1	2.5	4.4
NNE	1 • 1	.9		i								1.9	3.4
NE	1.7	2.4	1.0	ė či					_		!	5.8	5.6
ENE	2.0	٤٠٤	3.1	1.3		• 1					i	9,9	6.8
ξ	1.3	1.1	1.0	18 •	1						I	4.9	6.5
ESE	1.0	• 1		ļ	. 1							1.2	3.3
SE	• 1									-		s 1	3.0
SSE	• 2	. 3							i			•5	3.4
S_		.5	• 5	i				!	1	1	Ì	1.4	7.1
ssw	• 7	• 9	• ₹	• 2	+1				i			1.8	6.3
sw	• 4	1.0	4.0	3.6	1.2				:	i		10.4	10.2
WSW	• 8	1.9	6.1	5.7		.1		:	!	1		15.3	10.1
w	2.4	3.2	5.2	2.9				:		1		14.3	7.8
WWW	• 9	• 4	• 3	• 3					i	T THE STREET		1.9	2+9
NW	• 5	• 1						!		and the same of th		.6	2.3
NNW	• 2	.4								1		•6	4.0
VARBL	3.0	1.3	3.0	1.2						1	l	8.5	6+0
CALM		$\geq \leq$	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq <$	$\geq \leq$		$\geq \leq$			18.2	
	17.0	19.7	25.9	16.3	2.7	•2		ONE IN PROPERTY.				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

93

DATA PROCESSING TRANCH ETÁC/USAF AIR -EATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAHS	TETN AF	י שר				నర	-70,73	-77					ń	AR
STATION			STATION	MIME						TEARS			_	40	MTM
						ALL H	FATHER							1200	-1400
		_					LLSS				<del></del>			HOURS	(L.S.T.)
		_													
						co	HOITION								
		_													
	SPEED		1				Γ	i	Ī	Ī	<del> </del>	<del></del> -	,		MEAN
	(KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 · 47	· 48 - 55	. ≥56 :	-	*	WIND
	N	1.5	1.6	• 2				i		;	-			3.7	3.7
	NNE .	1.4	1.9	1.4					!	1	·—			4.7	5.1
	NE ,	1.7	2.4	2.5	1.0			1	<del></del>	:				7.5	6.5
	ENE	1.4	1.9	2.9	1.4			!		i		:	1	7.7	7.3
	E	•3	1.1	2.0	1.4		ī	!	!	1	:	-		5.6	8.8
	SSE II	. 4					i	<del></del>	1	-	_		1	Α:	

	·							:					
N	1.5	1.6							;	-		3.7	3.7
NNE .	1.4	1.9	1.4	i				:	Ī			4.7	5 · l
NE .	1.7	2.4	2.5	1.0				1				7.5	6.5
ENE	1.4	1.9	2.9	1.4		- 1			İ			7.7	7.3
E :	. 3	1.1	2.0	1.4	- 1				1			5.6	8.8
ESE !	• 3	• 1						-			1	.4	
SE	اد ۰	• 1				1			1	;	1	.4	2.8
SSE	. 21							ž I	:			. 2	2.5
S	- 5	• 2	• 9		•1			1				1.7	6.1
SSW	• 5	1.1	+4	•4				i		:	i	2.5	6.5
sw	•4	1.5	2.3	4.0	1.2	• 2		i	I			9.6	11.5
wsw	• 3	1.9	4.7	6.0	2.4	. 8		Ì	i	1		16.8	11.5
w	1.1	2.6	5.4	5.2	.5				!	1		14.8	9.7
WMW	• 0	1.1	1.0	• 3					1			3.0	6.5
NW	• 4	. 8	•5				•	T -	T	Ī	1	1.7	5.6
WWW	•3	• 1	• 2						T		:	•6	4.5
VARBL	2.3	1.9	7.3	2.4	• 2				1	ī	1	14.3	7.6
CALM	> <	$\geq <$	$\times$	>	$\geq \leq$	$\geq$	$\geq \leq$					4.6	
	14.4	20.4	32.5	22.0	4.4	1.0						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

928

DATA PROCESSING FRANCH ETAC/USAF AIR REATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

8.44	STEIN A	⊃ ባር				961	-70,73	-77				A	Δg
		STATICH	MAME						YEARS				MTH
					ALL XI	FATHER			_			1500	-1700
	_				C C	J33							(LST)
	_				CON	017:0%							
	-												
	ş1				<del></del>			<del>,</del>		:	<u> </u>	e .	
SPEED (KNTS)	1 1 - 3	4.6	7 . 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	43 - 55	: : ≥.56		MEAN WIND
DIR			;	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;			10 - 00	1			1		SPEED
N	1.4	1.4	• 3					i -	<del>i</del>			3.1	4.1
NNE	. 1.5	4.6	• 9.					1	1		<del></del>	5.3	4.5
YE.	1.0	3.7.	2.2	• 6				1		<del></del>	]	7.5	6.5
ENE	1. 1.2		3.1	1.0	.1						!	7.7	7.3
E	2		2.4	.9				i				4 • 3:	8.5
ESE	( .1		•1				:	<del>                                     </del>				•5	5.0
\$E	. 4	. 3									1	.8	3.3
SSE	ij	•5	• 2.					1	T T	!	<u> </u>	3 • 8 ;	5.7
5	1 .5	•6	• Ó:					i	T		1	1.9	5+1
ssw	5 .4	2.2	• di	• 5	. 1			1		!	1	3.8	6.4
sw	ŋ +5	1.0	2.4	2.5	. 2	. غ						6.9	10.3
WSW	1 · Q	2.6;	4.9	6.7	1.2	• 1		!			i	16.5	10.6
W	4 1.9	2.6:	5•ó,	5.8	. 0				Ī			16.6	9.2
WNW	1 .4	.8	1.9	1.5						ŧ		4.6	8.8
NW	5 .4		• 21	• 2						ì		1.5	5.7
NNW	ŧ •5	.5						Ĭ	1		i	1.1	3.5
									<del>,</del>			<del></del>	
VARBL	2.5	1.7	6.5	2.0	.2			1	l	1	1	12.9	7.4

TOTAL NUMBER OF OBSERVATIONS

930

100.0 7.7

DATA PROCESSING PRANCH ETAC/USAF AIR LEATHER SERVICE/MAC

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

930

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMS	STETH A	٦, د				56	-70,73	-77				H	AK
STATION			STATICH	PARE						ELES				NTH
						ALL W	F,THFA						1800	-2000
		_				C	ASS						HOURS	(L.S T.)
		_	<u></u>			<del></del>								
						CUR	DITICH							
	SPEED	,	:					i	1	į	i	, ,		MEAN
	(KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33 :	34 - 40	41 - 47	48 - 55	≥ 56	*	WIND SPEED
		. 9	E.					<u> </u>	·	!	<u> </u>	· ·	1.4	
	N N	·	• 5:					·		<del> </del>		:i	2.2	3.0
	NNE	1.4	· 01						<u></u>	<u> </u>	<del>!</del> —	·	8.31	
	NE	2.0							<u> </u>	<u> </u>	·			4.9
	ENE	2.8	3.2	3.0			<u> </u>		!				9.41	5.5
	E	1.0								<u> </u>	i		4.51	5.0
	ESE	: 4						:	l	<u> </u>	i	1 9	•6!	2.5
	SE	اد و	• Zi						I				• 5	3.2
	SSE	3	. 4.	• Li					<del></del>	I		- el	•9	4.3
	S	F .2	•4:								1	1 5	1.1	5.5
	ssw	6.	1.7	• 6							T	1	3.1	5.0
	s₩	1 - ¢	1.8	2.4	1.2	.1		:	1		1		7.1	7.2
	wsw	1.1				1.0			İ	i —	:		12.31	9+2
	W	2.8	3.5	4.4				<u> </u>	i –	<del>                                     </del>		1 001	13.3	7.4
	WNW	1.2	•6	• 8	. 2			i	<del>                                     </del>	i	<del>i</del>	!	2.81	5.2
	NW	- 4	3					<del></del>	<del>i</del>	<del></del>		1 9	1.2	5.2
	NNW	د		<del></del>				<del></del>	<del>                                     </del>	<del> </del>	1	<u> </u>	•51	1.8
	VARBL	2.7	• 6	1.7	• 4			<del></del>	<del>                                     </del>	<del>                                     </del>	<del>`</del>		5.5	4.8
													25.4	
	CALM										<u> </u>		~~ ~ 1	
		21.5	22.8	20.4	8.6	1.3			Ì		Ì		100.0	4.6

DATA PRICESSING PRANCH ETAC/USAF AIR #EATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTETA AF OL	55 <b>-70,73-77</b>	MAR
STATION	STATION NAME	YEARS	MONTH
		ALL BEATHER	2100-2300
		CLASS	#30#\$ (L,\$ T_)
		CG49:7-5#	

SPEED (KNTS) SIC	1 - 3	4-6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	• 9.	.1					<del></del>					1.0	2.2
NNE	1.2	.3		- ;			<del></del>	:	:			1.51	2.9
NE	[ • d.	2.5	• 7	• 2			Ī		•	7		4.9	4.4
ENE	Z.C	3.7	2.5	• 5				i	1	-	,	9.0	5.7
E	1.5	1.0	• 5				-		<del></del>			3.1	4.1
ESE	٠, 3	• L:					1	!				.41	2.3
SE	1.	• 2								,		•3	4.0
SSE	• 2.		• 1					*			!	• 3	5.3
5	.4		• 1	1			!	i		-	f	•5	2.8
s\$₩	. 4:	• 6:	• 2:					1		!		1.3	4.3
sw	. J.	1.7	2.5;	1.4	l		1		i	1		6.5	8.2
wsw	1.6	3.3	4.2	5 • 4:	. 4			1	!	1		14.9	9.0
w	2.7	2.9	1.0	• 8	• l			<u> </u>				8.1	5.7
WNW	. 8	1.1	• 3								1	2.2	4,4
NW	_ • l:	.1	•3									.5	6.0
WNW	6 -1	• 2	- 1						Ī			.4	4.5
VARBL	2.9	. 4!	• 8	• 4					[		Ì	4.5	4.0
CALM		$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$		$\geq$	$\boxtimes$	$\geq$	$\geq$	40.4	
	17.8	18.3	14.1	8.7	.6					THE PERSON NAMED IN COLUMN NAM		100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING PRANCH ETAC/USAF AIR LEATHER SERVICE/MAC

RAMSTEIN AR OL

34050

### SURFACE WINDS

FOTAL NUMBER OF OBSERVATIONS

MAR

7437

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

50-70, 13-77

		STATION	FIRE						TEARS			=0	DATE
					ALL WE	ELTHE,							LL_
					- cı	ASS						NÇUZİ	(L.S.T.)
	-				***	DITION							
					ÇU4;	DIT*C*							
	_												
	<del></del>		<del></del>		<del></del> ,			<del></del>					
SPEED (KNTS) DIR.	: - 3	4-6	7 - 10		17 - 21	22 - 27	28 - 33	! : 34 • 40 :	41 - 47	48 - 55	≥56		MEAN WIND SPEED
N	. 9	.7	• 2	<u>-</u>		,				1	,	1.8	3.8
NNE	1.0	• 9	• 3,							1		2.3	4.1
NE	1.7:	2.8.	1.3	• 4				:				6.2	5.4
ENE	1.7	3.1.	2.0	•6	.0	٠.)				1		8.1	6.1
E	1.2	1.3	1.2	• 4								4.1	5.9
ESE :	4.	-1:	.0!		.0			!				•5	3.0
SE	• 2.	• 11				t.				1		.3	3.5
SSE	• 6.	٠2;	• [:					İ				.4	4.5
S			•4	•0	.0					1		1.C	5.5
ssw	. 4	•9	• 4	•2	.01			<u></u>				5.0	6.2
sw	• 6		2.6		. 5			<u> </u>	<u> </u>			7.8	9,4
wsw	<u> 1.0;</u>		4.9									14.7	9.9
w_	2.2		3.4		.3			<u> </u>		<u> </u>		11.5	7.7
www	. 3		•6					<u></u>	1			2.5	5.9
NW	•4		• 2			i		<u> </u>				1.0	4.8
WMM	• 3		•1					<u> </u>	<u> </u>			•5	3.6
VARBL	2.6	•9!	2.7	•9	. 1		<del></del>	<u></u> ,	<u></u>		L,	7.2	6.1
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq 1$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			$\geq \leq$	$\geq \leq$	28.2	
	16.0	19.9	21.0	12.0	2.0	. 3						100.0	5.2

USAFETAC FORM (8-8-5 (OL-A) previous editions of this form are obschefe  $\frac{1}{2}$ 

JATA PRICESSING TRANCH ETAC/USAF AIR -EATHER TERVICE/FAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AP OL	56-70,73-77	APR
BOTATE	STATION NAME	Ties	#ORTH
		ALL RESTHER	0000-0200
	<del> </del>	CLASS	HOURS (L.S.T.)
		POLTICECT	

SPEED (KNTS) DIR	1 - 3	4-0	7 - 10	11 - 16	17 - 21	22 . 27	28 22	34 - 40	41 - 47	43 - 55	≥56	* ** ** .	MEAN WIND SPEED
N	.7	• 2.	• 1		<del> ;</del>							1.0'	3.2
NNE	1.4	.3	• 2						-			2.0	3.
NE	1.4	2.2	• 3.					7				3.8	4
ENE	1.1	1.9	• 3		i			-				3.3	4.4
ξ.	1.9	- 4	• 2.									2.5	2.5
ESE	• 7	• 1:	•1		:					~		. 9	
SE	• <u>1</u> .											•11	1.0
SSE .		9					•					4	
S :	1.	. 2		رَ فِي ا	1		:		1	•		.4	5.0
SSW 3	• 1	- 6	• 2!	• 21	-1:				;			1.2	7.
sw 🖣	• &)	1.1	2.3	1 • 7;						1		1 5.7	8.
wsw -	1.2	3.0	3.3	2.7	•41		i					10.7	8 .
w	2.1	3.2	2.3	+ 2	•2		Ī	į	i			3 8.7	6.
WNW 3	• %	-4:	• 2					ļ		1		1.6	3•
NW T	.1	•11	1				i					•2	3•:
WNN	. 1:	•1	•11	1			<del></del> _	Ī	Ţ			1 .3	4.0
YARBL	2.0	• 4	.4	• 21			1		1	I		3.1	4.0
CALM		><	$\times$	> <	> < 0	$\geq <$						54.4	
1	14.3	14.5	10.3	5.7	.0			at an analysis of the state of				100.0	2•

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 9-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

EIAC AL 64 G-8-5 (OL-A) Pitvious comons of this

GATA PROCESSING TRANCH ETAC/USAF AIR REATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405^	RLMS	TEIN AP	ΩL .				50	-70,73	-77				ja.	Pa
STATION			STATION	44#E						EL BS				CPTH
						ALL #	EaTHER						0300	-0500
		_				- c:	J 25						WOU #3	(LS T.)
						- C3+1	017/2#				<del></del>			
						*								
											<del></del>			
	SPESD	<del></del>			<del></del>			<del></del>	·	i		····	<del></del>	MEAN
	(KNTS) DIR.	<u>:</u> 1 - 3	4-6 ,	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	. 41 - 47	42 - 55	≥: <b>′</b>	, •	WIND SPEED
	N	• 6	. 3:	•1					1	:			1.0	3.7
	NNE	. 5	• 2	•1.					-	<del></del>			. •9:	4.0
	NE	.7	1.4	•1								4	2.21	4.1
	ENE	1.2.	i.6;	• 2						i			3.0	4.1
	Ε	2.3	• 6:	+5					;	<u> </u>			3.7	3.6
	ESE	.7	•1:	<del></del> ;				7	!		1		.8	2.0
	SE	. 1	:						:	]	!		1 .1!	2.0
	SSE		1	ŀ				1		;			•1	1.0
	5	- · l:		•11					l	1	!		•2	4.0
	SSW			• 1.							!		•2	5.5
	sw	. 4	2.0	1.7				I			1		5.9	
	wsw	1.0	3.3	5.3					1		i		12.6	8.1
	w	2.7	3.6	2 • 4;	1.1					İ			9.8	5.8
	WNW	1.3	• 31		• 1								1.6	3.4
	NW		• I i					•			<u> </u>		, 1	6.0
	NNW	• 1i	•1]						1				• 2	3.0
	VARBL	2.0	• 1	•4	• 2				32				2.3	3.8
	CALM		$\geq \leq$	$\geq \leq$	><	><	$\geq \leq$	$\geq <$		$\triangleright$ <	$\triangleright <$		54.9	
		14.0	13.8	11.2	5.4	.7			ĺ				100.0	£.7

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM AS SS-S (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRET!

DATA PROCESSING FRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAP, TELM AP PL	ob-70,73-77	APR
STATION	3747:00 4448	7645	#047#
		ALL RELTHE,	0600~08 <b>0</b> 0
		CLASS	20005 (L.S.T.)
		534517605	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	- 34 • 40	41 - 47	4ã - 55	≥56	*	MEAN WIND SPEED
N	• 5	41	٠٤				<del></del>	-	,			1.4	3.
NNE	1.3	. 4.	• 4					•				2.0	3.
NE	1.7	2.1;	• 2									4.0	3.
ENE	• đ.	1.8	.6	• 👬				-				3.6	5.0
E ;	2.9.	1.9	• 3								<del>,</del>	5.1	3.
ESĘ	j • 4!	1.2										3.0	3.0
SE )	• Z:							i	I			2	1.:
SSE :	•1	i					:		1	!		i •1:	2.4
5		. 2	•1	• 1 i				; ——				4 .4	7•
ssw	• 1	. 3	• 2.	• 1c			1	-				.81	6.
sw i	• 2;	2.1	2.9	1+2		-				•		6.4	7.
wsw .	1.8	3.0	5.7	3.0	.1			;	i	,		14.1	8.
w	2.3	2.3	2.2	1.3			:	i			:	8.2	6.
WNW	1.0	• 41	• 31	•1			T					1.9	4.
NW I	.1	.3:		<del></del>			ī	<u> </u>	T	<del> </del>		.4	4 .
NNW	• []	• 21		!			i			1		.3	4+
VARBL	1.0	.3	1.9	<u>• 31</u>			ī	1	T .	1	1	3.5	6•
CALM			$\geq \leq$		$\geq \leq$	$\geq \leq$				$\geq \leq$		44.3	
	16.2	17.2	15.1	7.0	.1		1		***************************************			100.0	3.

TOTAL NUMBER OF OBSERVATIONS 90

USAFETAC. FORM 0-6-5 (GL-A) retylocal epitions of this form are cosolete

DATH PROCESSING PRANCH ETAC/USAF AIR PEATHER SERVICE/MAC

## SURFACE WINDS

TOTAL NUMBER OF DESERVATIONS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2. %5	TE14 23					. 56	ر7,70-						PR
		STATION (				_			TELPS				0414
					ALL ME	· THE s							110
					£4.	*19						504 81	1 (L# T-3
		<del></del>	·		G+1	STICE				<del></del>			
SPEED (KNTS: DIR.	1 - 3	4.5	2.10	11 - 16	17 - 21	22 - 27	23 - 33	34 - 40	41 - 47	A - 55	≥54		MEAN WING SPEEG
H	. 9	1.2	• 2						<del></del>			2.3	4.
NNE	1.0	1.8	•9									4.2	4.
NE	2.0	3.4	2.0	• 4-								7.0	5.
ENE	1.4	₹.0.	4.1	1.4								11.0	
E	1.2:	7'	-4	•2				;				3.6	4.
ESE 3	• 4:	•9	+1:					,			-	1.1	5.
SE ,	•0;		-1:										
322	. l;	.1	•1;	7						!	•	•3	5
S	. 3	• ():	+6	i	1			:				1.4	5.
\$5W	• 40	1.1.	1.3	i				1			2	2.9	6
\$₩	• 2	1.0	3.1	2.9	.3	•2.	•1	:		i		7.9	10
wsw	• 2;	2.1	4+0	3.5	.5;			i		i		13.0	19
w	3.0	2.5	3.0	3.4	٤,			Ī	1		1	13.6	7.
WNW	- 4!	1.3	•6	اؤ •				1	1	Table 1	;	2.7	5.
NW .	. 3	. 4	•2	•11			•	-	4	I	!	1.1	5
NNW	• 0	. 9	• Z j					I	1	•	ŧ	1.7	4.
VARSL	2.8	Z.0	7.3	Z•1	.1			1	!	į		14.3	7.

USAFETAC FORM G-5-5 (OL-A) PREVIOUS EDITIONS OF DIS FORM ARE DESCRIPT

17.6 23.0 30.0 16.5 1.3

DATA PRUCESSING PRANCH ETAC/USAF SURFACE WINDS AIR MEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 34050 RAMSTEIN AR DL 66-70,73-77 1200-1400 HOURS (L S.T.) ALL WEATHER SPEED (KNTS) DIR. 11 - 16 17 - 21 22 - 27 28 - 33 3.0 4.5 1.1 4.7 1.8 3.2 6.71 7.2 1.0 NE 6.9 8.0 1.9 2.9 1.0 ÉNE • 0 1.1 1.6 • 8 ESE • 2 8.5 . 2 .61 3.8 SE 4.7 . 8 1.0 2.2 6.3 . 9 1.3 3.9 55W 8.6 5W .7 2.2 4.11 5.2 13.11 10.2 wsw 15.2 4.4 10.0 3.3 1.0 1.2 1.0 8.5 WNW • 1 1.4 • 2 1.9 4.9 • 2 NW 1.6 NNW e fr 2.0 12.0 20.5 VARBL 1.8 TOTAL NUMBER OF OBSERVATIONS

GATA PROCESSING BRANCH ETAC/USAF AIR FEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4050	RAMSTEIN A	43	66-70	0,73-77		APR
STATION		I ON NAME		YEARS		IONTH
			ALL WEATHER		1500	7-1700
	•		CLASS			5 (L.S.T.)
	•		CONDITION			

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55		<b>%</b>	MEAN WIND SPEED
N :	• ö	1.7	• 6	- 2				<u> </u>			!	3.2	5.3
NNE	1.0	1.6;	•7	!						Ī		3.2	5.0
NE	1.4	2.6	1.4	•7				L		1	i .	6.1	5.9
ENE "	• 7	2.1	4.2	اق ا								8.1	8 • 1
E	• 7	1.1	2.3	• 8	• 1							5.0	7.8
ESE !	• 2	• Z	.7						Ī	:		1.1	6.2
SE	• 1.	. 4	• 3						Ţ	Ī		.9	5.8
SSE	• 4		• 4									•7	4.0
s	• 5	1.6	1.0	•1				1				3.2	5.9
ssw	•1	1.1	1.4	• 7								3.3	7.9
sw	• 7	1.3	3.4	1.2	• 2	•1					,	7.0	8.8
W\$W !	.9	1.4	4 . 8	5.1	1.1	•1	• 1	;		T		13.6	10.5
w	.9	2.6	5.7	4.4	1.1							14.9	9.9
WNW	.3	1.7	1.3	.7				1	T	1		4.0	7.2
NW	• 2	.7	• 4	•1			·	· · ·		T — —		1.4	
NNW	8,9	. 6										2.0	4.5
VARBL	2.2	2.3	1.2.3	3.0	• 1	•1	T			i		20.1	7.9
CALM	$\geq \leq$	$\geq$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq$				2.1	
	11.9	23.1	41.3	18.3	2,7	. 4	• 1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900

UATA PROCESSING ARANCH ETACZUSAF AIR WEATHER SERVICE / MAC

34050

#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OESERVATIONS)

ON CON	RAMSTEIN AP OL						APR								
			STATION	WYME		TEARS							нежти		
		ALL MEATHER											1800-2000		
			· · · · · · · · · · · · · · · · · · ·												
	POLITIGNOS														
Γ	SPEED (KNTS)	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND	
L	DIR.		i		i						!			SPEED	
L	N	1.0		• 31						1			4 · V	4.0	
I	NNE	1.9	2.9	• 4		!						. "	5.2	3.9	
Γ	NE	2.0	2.9	1.4	• 1							i	7.0	4.9	
ľ	ENE	. 9	3.7	2.4	• ઇ	:				:		1	7.8	6.4	
Ī	E	1.7	1.0	1.8	• 21							7	5.4	5.4	
	ESE	1.0	-2						i	<del> </del>			1.2	2.9	
ľ	SE	.6	. 3	•1	-						1		• 51	3.4	
	322	•0		•11							i	;	1.3	4.4	
l	5	1 . 5	1.2		•1	i						i	2.3	4.9	
r	ssw	1.1	1.0	.9	• 3	. 21				<del></del>	[	1	4.1	6.6	
ľ	sw	.7	1.8	2.0	• 3	.1			i				4.9	6.9	
ľ	WSW	1.0	2.4	4.1	3.7	. 1	•1		:	i			12.0	8.7	
ľ	w	3.6	3.6	4.2	1.7	. 2			<u> </u>	<del></del>	1		13.2	6.6	
ľ	WNW	1.0	1.1	1.0	• 3						i	P	3.4	5.8	
r	NW	.7	1.1	• 2	•11	i			I	Ī	i		2.1	5.0	
r	NNW	E .	.4	• 1	•1				<del>                                     </del>	1			1.0	5.0	
İ	VARBL	1.8	1.2	3.6	•6				i					6.1	
	CALM		$\geq$		$\ge$	> <	$\leq$	>					16.9		
		22.1	28.9	23.0	8.3	.7							100.0	5.0	

UATA PRECESSING FRANCH ETÁC/USAF AIR - EATHER SERVICE/"AC

### SURFACE WINDS

900

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAHS	STEIN AF												
ROSTATE			STATION	HAME		2100	2100-2300 HOURS (LST.)							
	CONDITION													
	SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	»	MEAN WIND SPEED
	N	.61	. 4	•1					:			,		3.7
	NNE	1.5	.7.										2.21	3.1
	NE	2.0	1.4	• 7									4.1	4.1
	ÉNE	1.7	1.2	1.11	• 1								4.1	4.7
	E	2.0	1.1	• 2							i	1	3.3	3,5
	FSE	1.0	• 3						,			i i	1.3	2.2
	SE	.3									1	[	•3	1.7
	SSE			•2									•2	8.5
	S	• 1	• 4	•4							!_	í	1.0	5.9
	ssw	. 4	. 3	• 3	•4								1.7	8.5
	sw	.4	1.7	1.9	•0							,	4.9	7.9
	WSW	1.7	2.2	3.0	2.2	.1					<u> </u>		9.2	7.7
	W	4.4	3.6	2.3	• 4	. 3							11.1	5.2
	WNW	1.3	. 2	• 2									* * * **	3.4
	NW	.4	•2					•					•7	3.0
	NNW	• 2	•1	• 1									.4	4.3
	VARBL	2.0	.7	1.0	. 1							1	4.3	4.4
	CALM	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$	$\geq \leq$		$\geq \leq$			48.1	
		20.8	14.7	11.7	3.9	. 9							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING PRANCH ETACHUSAF AIR REATHER SERVICEMAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405e	RAMSTETE AP DL	66-70,73-77	APR
STATION	STATION NAME	TELES	MONTH
		ALL WEATHER	ALL
		CLASS	HOURS (L S T.)
		CONDITION	_

SPEED (KNTS) DIR,	1-3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥58	, % :	MEAN WIND SPEED
N	• 9:	i.0	• 3:	• ():				+		i		2.2	4.
NNE	1.3	1,4	• 4;						1	ļ		3.1	4.
NE	1.0	2.2	1.3	• 2								5.4	5
ENE	1.0	2.3.	2.0	• 7:	1					1		6.0	6
Ε	1.7	1.2	1.0	• 3:	.0					i		4.1	
ESE -	• 7	. 4	•1	• 0							i	1.3	3 (
ŠE	. 3	• 1	• 1	:	Ī		:	1	1		:	• 5	3 -
SSE -	+ 2	• 2.	• 1		Ī			1				.51	
\$ ;	+ 3	• 0;	• 4	• 11	1				:	•		1.4	5.
ssw .	• 4	• 9.	• 7	• 31	•1	Ū,			:	1	<u> </u>	2.3	7.
sw :	• 4	1.5	2.6	1.6	.2	•0	•0			ī		6.4	8
WSW	1.1	2.5	4.4	3.∂.	.5	•0	•0					12.3	9
w	2.6	3.).	3.4	2.2	.5	.1						11.8	7.
WNW :	. 3	. 8	•6	• 3	.0				i	T		2.5	5
NW :	• 3	• Ó)	•11	• 0				<u> </u>	1	i	i	1.0	5
NNW	. 3	.4	٠2	• 0					i		i	.9	4
VARBL	2.0	1.2	4.9	1.3	. 1	.0				Ī	-	9.5	7
CALM		><	> <		> <	$\geq <$						29.0	
i	16.0	20.3	22.5	10.7	1.3	. 2	•0					100.0	4

TOTAL NUMBER OF OBSERVATIONS 7197

USAFETAC FORM 0-8-5 (OL-A) previous editions of this form are obsolete  $\pi\pi$  64

CATA PRICESSING FRANCH ETAC/USAF AIR -EATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAM:	SIEIN A'	4 OF				60	- 10°, 13°	-77					аγ
STATION			STATION	NAME						YEARS			NO	HTH
						ALL W	FATHER						0000	-0200
							LASS						HOURS	(LS T.)
			***			COI	MOITICH							
	SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	***	MEAN WIND SPEED
	N	•4	• 21							<del></del>	1		•6'	2.7
	NNE	• 5	• 1	• 1.						1		-	• 8 :	3.1
	NE	i.0		• 2.	-						1		1.7	3.6
	ENE	2.2	1.3	• 5	• 1		i		i	l			4.1!	4.2
	Ε	4.4		• 21	1	·	T	·	1	1	· · · · · ·		5.7	2.8
	ESE	1.0	• 6				I						1.2	2.2
	SE	2	i	i					1	1	i		•21	2.5
	SSE	. 3					T	i	<del></del>	i	ii	772	•31	2.0
	-	- 3						<del> </del> -	<u> </u>	:	<del>                                     </del>	i	1.0	

DIK.	;	1	,		į		f 1	;		ļ			37 LLD
N	• 4	. 2										•61	2,7
NNE	-5	• 1	• 1.	- :					1			•8:	3.1
NE	1.0	• 5	• 2.	-						1	1	1.7	3.6
ENE	2.2	1.3	• 5	• 1				I	1		1	4.1	4.2
Ε	4 . 4	1.3	• 21					1				5.71	2.8
ESE	1.0	• 4						1				1.2	2.2
SE	• 2							i				•2	2.5
SSE	. 3			-					i	Ī		• 3	2.0
s	• 3	• 5	•1					į			1	1.0	4.7
ssw	. 1	• 4	• 4						ī			1.0	6.0
SW	1.1	1.9	1.7	•4				:				5.2	6.4
wsw	1.5	1.5	3.5	1.2	.2	• 1			i			8.0	7.6
w	3.3	2.4	1.5	•4					I			7.6	5.0
WNW	1.1	• 2								1		1.3	2•
NW	• 2	• l					•	-				• 3	2.,
NNW	• 4	. 2										•6	2.8
VARBL	3.2		• 9									4.1	3.1
CALM		$\geq \leq$	> <	$\times$	$\geq$	$\geq \leq$	$\geq$			$\geq$		56.3	
	21.2	11.0	9.0	2.2	.2	• 1						100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

NATA PROCESSING RANCH ETAC/USAF AIR =EATHER SERVICE/NAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AS OL	56-70,73-	77	НАУ
STATION	STATION NAME	<del></del>	YEARS	MORTN
		ALL WESTHER		0300-0500
		CLASS		HOURS (L S T.)
		CONDITION		

SPEED (KNTS) DIR	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 33	34 - 40	41 - 47	43 + 55	≥56	*	MEAN WIND SPEED
N	1.1	. 2:				1	:	1		i .	,	1.3	2.8
NNE	• 9	;				t					:	.4	2.5
NE		ارً .		i		!	-		!			1.1	3.4
ENE	1.4	1.9									1	4.1	4.3
E	3.2	1.0				:			1	-		4.3	
ESE	• 0	• 2	الر•								į	1.0	
SE	. 1						i		l .			-1	
SSE	<u> </u>			•1!				1		1	i	•1	11.0
S	. i		• ]						ļ	•		• 4	5.5
SSW	• 2	• 4	• 3!					·				1.0	5.6
_\$W	• 2	1.6	3.0	• 6				ī		i .		5.8	
wsw	1.3	3.4	1.9	1.3							i	8.0	6.5
W	4.0	3.1	1.6	- 41			i				1	9.1	4.6
WNW	1.5	• 11	• 3				-	1				1.9	3.1
NW	• 2	• 3									)	.5	3.8
MMM	• ć	• 1	- 1									4 .9	3.0
VARBL	2.0	• 1	1.1		•		!	i		:		3.2	4.2
CALM	><	$\geq \leq$	$\geq$	$\geq <$	$\geq$	$\geq \leq$		$\geq$	$\boxtimes$	$\geq$		56.8	
	18.0	13.3	9.5	2.5								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 93

USAFETAC FORM G-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRICESSING PRANCH ETAC/USAF AIR LEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	2.4	STE	in AF					56	-70,73						IA /
				STATION I	MAME						YEARS				COTH
								FATHER	<del></del>						-0800
							,								. (23 11)
			_				ce	NO,TICH							
(X)	EED NTS'	ŧ	1 - 3	4-0	7 - 10	11 - 16	17 - 21	. 22 - 27	23 - 33	34 - 40	4" - 47	48 - 55	≥ 56	1 %	MEAN WIND SPEED
	N		• 5	• 4	<del></del>	• i .		:	<del>i                                    </del>		<del></del>	1	······	1.2	5.0
1	INE		• 0,	• 6	•1:			:						1.6	
	NE		. 0	1.4	• 3			-	1	1		:	1	2.5	4.6
É	NE		1.9	3.9	1.2			i	ı				•	7.0	4.7
	E		3.7	1.9	اد.•	• 5							1	6.7	
E	St	i	1.5	• 2				:	:				1	1.8	2.3
	SE	_	• 21	- :				<u> </u>				•	i	4 .2	1.0
	SE				1								1	]	
	s		• 1	• I.	• 1				1			1	1	• 3	4.7
s	5W	1	ادُ .	- 5	1.9			Ĭ .		i		!	1	3.3	
	SW	]	• 5	1.2	Z.9			i		i				5.5	7.5
14	/\$W		1.4	2.9	5.6	1.5		1	1	:		i	F	11.6	7.3

TOTAL NUMBER OF OBSERVATIONS 930

•8I

1.2

6.0 39.9

3.4

100.0

2.8

2,4

18.4

•2

3.1

. 3

٠Ó

2.7

•2

WNW

W

NNW

VARBL

CALM

JATA PROCESSING PRANCH ETAL LESAF ATP & ATMAP SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AR DL	6a-70,73-77		YAM		
STATION	STATUM MILE	<del></del>	YEARS	MONTH		
		ALL WEATHER		3900-1100		
		cus		HOURS (L.S.T.)		
		CONDITION				

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16 .	;7 · 21 ,	22 - 27	, 28 · 33	34 - 40	41 - 47	43 - 55	. ≥56	T .	MEAN WIND SPEED
N	1.1	1.8	. 1							ı		3.0,	4.1
NNE	1.2	1.3;	• 0 ]	:			:		5		,	3.1	4,3
NE	1.1.	Z . dl	1.4.	• 4.					1		1	5.6	5 • ċ
ENE ,	1.6	4.7	2.8	•6				!	:		,	9.1	6.3
€ ;	7.5	1.0	1.5	• ů ;	•2				1		·	5.3	6.7
ESE	• 5	-1	ر ب	•1			<del>:</del> -	!	<del></del>		;	1.2	5.2
SE .	• 2			:			<del></del>	<u> </u>		ı	<u></u>	.2	2.5
SSE	• 4 ,	-5					-	1				.91	3.3
S i	• 4	1.3	• 13	•1:			1	•				2.6	5.5
ssw	. >	1.4	1.3	- 3:			-	i	1		1	3.5	6.4
SW i	.0	1.41	Z.0	2.7			:		1	1		7.3	9.1
wsw	1.8.	2.4	5.2	3.0			T -	1		1	İ	12.4	8.2
w	3.2	3.5	4.7	3.8:	2		:	Ī T	!			15.5	7.7
WWW	1.1	, 8					1					2.3	
NW	4i	. 4		<u> </u>			1	1				1.0	3.7
WNN	5	.9					† <del></del>		1			1.6	
YARBL	4.8	1.7			•2			i -			i	18.5	7.2
CALM		$\geq \langle$	> <			$\geq <$				$\geq$		7.0	
	20.6	26.6	30.1	15.1	. 6							100.0	

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

DATA PROCESSING TRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	PAMSTETA AS PL	~ <sub>0</sub> -76,73 <del>-</del> 77	4AY
STATION	STATION MARE	TELES	BCSTP
		ALL BEATHER	1209-1400
		CLISS	NOVES (L.S.T.)
	<del></del>		
		COMPRESSOR	

SPEED (KNTS) DIR.	1-3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	BHIIIPY BART IN JULY	MEAN WIND SPEED
N	• '7	1.7	• >					i	1	1		3.1	5.1
NNE	1.3	1.5	• 0					<u> </u>	<u> </u>	!		3.91	4.0
NE .	• 5	2.01	1.7				;	1	i			4.7	> 0
ENE	• 7.	1.0	2.2	• 7			1	<u> </u>	1			5.4	7.3
E	• 3	2.2	4.5	1.5	. 1		i	!		1		5.3	6.5
ESE	• 5		• 4	+4	_		i	1	ļ			L.C	5.1
SE		• I	• 4					1				• 3	7.7
SSE	•21	• 1	• 4	• 1						İ		• 9	
\$	• 1	1.2	1.0	• 1								2.4	5.7
ssw		1.8	1.2	• 4	• 1			<u> </u>				3.5	7.0
\$W	۰۵۱	4.2		1.6	• 2		1					2.3	8.5
:wsw	1.0	2.5	2•9		و .			<u> </u>	<u> </u>			14.1	9.3
w	1.0	3.8	4.9		•5		<u></u>				<u> </u>	12.7	8.5
WNW	• 3	1.5	1.1	• 3	•1			1				3.3	7.0
NW	• &	. خ	• 4				!	<u> </u>	<u></u>	<u> </u>	L	1.7	5.0
NNW	•41	•0	• 1						<u> </u>			1.2	4.1
VARBL	٥٠٥	5.7	14.0	0.2	• 5		<u> </u>		<u> </u>		L	26.2	8.4
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	1.7	
	11.8	27.5	38.2	18.8	1.9					<u> </u>		100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING TRANCH ETAC/USAF AIR WEATHER SERVICE/FAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	PUMSTITA DE PL	-5-70,73-77	444
STATION	STATION NAME	TELES	HORTH
		ALL NOTATO	15eu-1760
		CLASS	HOURS (L.S.Y.)
		CONSTRON	_

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	Floodstall of bacafacility	MEAN WIND SPEED
N	• 0	1.5	• 4 ,	1				:			i	2 Z . 7	4.
NNE ;	• 7	1.7	• 7	1			i	!	<del></del>			3.7	5.
NE .	1.1	2.3	1.7.	• ] [					<del></del>	,		1 2.7:	5.
ENE S	• 5	2.0	2.0	1.3,		-	:	i -	1			5.5	75
E 5	• 4	1.5	Z • U	1.0		•	1		<u> </u>	i		7.5	₹•
ESE	$\overline{}$	.4	1.0	•1			<u> </u>		<del></del>			1.0	7.
SE 3	•4	.3	• 4	• 2			<u> </u>	i				1.0	6.
SSE	• 1	.31	• 4	•11			1	<del></del>	<del></del>			1.0	5+
s i	•9	1.21	• 5	•1				!		i		1 6.7	5•
SSW I	• >	1.2	• 9	ا ژ ۰			1			1		2.9	Ô+
\$w	-1	2.3	3.4	4+3	• 1		Ī					5.0	₹.
wsw I	• 5	4.0	4.7	3.5!	•1	1		i		<u> </u>		12.9	9.
w	1.0	4.7	5.4	3.11	. 4	•1	[		i			10.7	ġ.
WNW	•0	1.9	1.2	• 3								4.1	_ 5•
KW	• 2	.91	• 3				i					1.4	5.
NNW	•6	.9	•1				T					1.0	3.
VARBL 5	3.4	2.9	10.5	4.9	•1							21.7	7.
CALM	$\supset \subset$	$\supset \subset$	$\supset \subset$		> <							1.5	
	12.2	29.0	36.3	20.0	.8	.1	Ī			<u> </u>		100.0	7.

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC  $\frac{\text{FORM}}{\text{JRL 64}}$  0-8-5 (OL-A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UATA FRECESSING PRASCH ETAC/USAF AIR -EATHER SERVICE/FAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405€	ا °د بازار⊳ و	د7,70-ر -	-77	42Y
ETATION	BEAL MOITARE		TELES	#CRTH
		all with		1909-5000
		CTN	<del></del>	HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1-3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	A SEPPARAMENT SEP	MEAN WIND SPEED
N .	1.4	.9	•1				i	;	1	ļ		3 2.4:	3.3
NNE	2.7	2.3	• 5	-			<del>                                     </del>		T	i	1	j 7.5!	3.0
NE :	1.9	3.3	1.0				1	1		Ī		1 6.9	5.0
ENE	1.0	3.2	2.5	• į			1			:		1.7:	5.0
E	1.7	4.5	2.5	•5			i		I	1		7.6	6.0
ESE	1.5	• 0	• 5	• 1			1	ī	I	7		2.21	5.0
SE §	• 21	• 2	• 1				:	<del></del>		<u> </u>	·	4 .71	3.4
SSE +	• • • •	-2	• 1				<del></del>	:				.5	4.1
5	٠۶	1.0	• 2	• 1				-		!		7.2	4.0
ssw	• 5	. 5	•5	• 5,					T			J 2.41	5 • 4
sw	1.3	Z.7	4.7	1.2	• 2		1	1	1	-		7-1	7.0
wsw	2.4	3.2	3.0	1.5	٠.٤		i	1	-	1	i	11.11	6.9
w	4.0	4.0	5.3	1.5	• 4		1	1	<u> </u>			14.4	5.0
WNW	1.1	1.0	• 5	•.4			1		1	Ī T	l	2.7	5.2
NW	• >	. 5	• 5				<del></del>					1.0	5.0
NNW	•	•0	•1					Ī	1			1.01	4.9
VARBL	2.7	1.2	5.4	1.0				1	-	T		11.1	5.9
CALM		> <		$\supset <$	> <	$\supset \subset$			$\supset \subset$			12.4	
	74.5	29.0	20.1	7.3	.6				 	T		100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

MATA PRICESSING PRAYOR ETAC/USAF AIR FEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34051	PARSTETY AT TE	70,7 <sub>9</sub> -77	~44
STATION	STATION NAME	TUB	MORTH.
		ALL as, THE	2106-2360
		CLASS	SCHES (L.S.T.)
	<del></del>	COMPITACE	

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	72 - 27	28 33	34 - 40	41 - 43	48 - 55	≥56	de valet, v.S. burnhalls	MEAN WIND SPEED
N	٠٥;	.21	-				!	:			i	3 .9:	2.5
NNE	1.0	.0	1							1	1	2.3	
NE	2.2	1.7	• 1				l			!		) <b>4.</b> 0:	3.4
FNE	3.2	1.8	• 3	• 1			!			<u> </u>		7.5	3.4
ε	2.7	1.2	• 5				!		ī —	1	ì	5.5	3.2
ÉSE	1.2	.2	,				:	!		:	<del></del>	1.4	2.2
SE	• • • • •						:			<u> </u>		• >	1.5
SSE	• 21						!	!	<del></del>		<del></del>	• 2	1.0
S	اد.	• 1	• 5				i					• 5	4.1
\$5\ <del>\</del>	• 3	• 0	• 4					1		i	1	1.2	4.0
sw	1 -51	4.4	1.0	•1	•2		• 1		T		<del></del>	4.3	7.0
wsw	2.2	3.0	3.0	1.1	•1		• 2	<u> </u>		<u> </u>	I	9.8	7.1
w	3.5	2.4	1.7	1.1			i ——	1	i	i	<del></del>	5.7	5.5
WNW	1.0	.4			• 1		<del>                                     </del>	Ī	<del></del> -	1		1.8;	3.1
NW	• 1		•1	•1			i	<del></del>		Ī	Ī	1 -3	7+7
NNW	•4						i			i	<u> </u>	.4	1.2
VARBL	3.5	•1	1.J	• >			i			1	<del>                                     </del>	564	3.9
CALM		$\geq \leq$	>	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$					47.1	
	25.7	14.8	8.4	3.2	. 4		•3	J				100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

93(

USAFETAC FORM GIS-5 (GL-A) PREJIOUS EDITIONS OF THIS FORM ARE ORSOLETE

JAFA PROCESSING TRAICH ETAC/USAF AIR LEATHER SEPATORY AC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405C	2_457 <u>≥</u> 1, 43 °L	- 3-7°,73-77	∍å¥
STATICA	STATISTA BARE	YELES	90472
		~(L m² T=:	- <b>-</b>
	<del></del>	CJH	ROOMS (LLE." ,
		COMB/TICE	

SPEED (XNTS) DIR	.3	4.5	7 • 1C	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	· ≥%	Boston Land A	MEAN WIND SPEED
N		•9	• 4	***					•	-		1.9	4,1
NNE .	1.2	1.1	• 3	:					i		,	2.5	4.1
NE .	1.2	1.6	• 7	•11				i		1	•	1 2.9	5.0
ENE	1.5	4.0	1.0	• 4				<del>:</del>	<del></del>		:	1 0.21	207
E	2	1.0	1-2	• 0	.0		!		<del>i                                     </del>	:	<del>!</del>	7.7	2 • 4
ESE	-5	. 3	• 5	•1				<u> </u>	i i	<del></del>	i	1.5	4.4
SE	• 3	.1	• 1					:	<del></del>	1	<del></del>	1 .41	347
SSE	-21	•1	• 1	• C 1				<del></del>	i –		<del></del>	1 -> 1	5.0
S Ì	• 4	. /	• *•	• 1 1					!	:		1.01	5.3
WZĖ		.9	• 7	• 6	.01		1	i	Ī	1	<del></del>	2.4	<b>0 • ™</b>
SW	•71	:.9	2.4	1.2	- 1		• 1	1	<del></del>		Ī	3.4	7.0
wzw	1.07	4.7	7.2	2.21	•1	• 2	•0		<del>i                                     </del>	<del>                                     </del>		10.9	7.9
w	221	3.4	3.5	4.0	•Z			i	i		<del></del>	111.5	7+0
SNW	•75	• 5	• 4	•:	.0			1	i	<del></del>	1	2.31	4.9
NW .	.3	.4	• 2	-0				1	i	<del></del> -	<u> </u>	• •	4.6
NNW	• 5	.5	+1					<del> </del>	Ī		<del></del>	1.1	3.9
VARSL	3.3	1.3	2+2	2.1	•1		<del></del>	<u> </u>	i –	<del>i                                      </del>	<del></del>	12.01	7.1
CILM		> <		X	><	> <		$\supset <$	$\supset$			27.5	
	19.4	21.1	22-0	9 2	.6	٠.٥	•0		Ī			130.0	4.0

TOTAL NUMBER OF CESERVATIONS 744(

USAFETAC TALE G-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM LIRE ORSOLETE

DATA PROCESSING TRANCH ETAC/USAF AIR PEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTIC'Y AND SPEED (FROM HOURLY OBSERVATIONS)

34050 A	ALMSTEIN AR DE	÷5-70,73-77	Juli	
STATION	SHAN HOLTATE		YEARS	MTHOM
		ALL WE, THE		0000-0200
		CLASS	·	HOURS (L.S.T.)
		CO - DITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.4		• i			<b></b>	<del>                                     </del>		·	<u> </u>		1.3	2.8
NNE	•9,	• 2	• 2			<del>                                     </del>	i					1.4	4.1
NE	1.1	1.1										2.2	3.5
ENE	1.0	1.1	• .3						<del></del>			2.4	4 • 4
E	1.1	• 3	•1				<del> </del>	<del></del>		<b> </b>		1.6	2.0
ESE	. 3					i	<del> </del> -	<del>                                     </del>	<del>                                     </del>			1 .3	1.0
SE								<del>                                     </del>	<del> </del>	i		•1	1.0
SSE						<del> </del>	<del> </del>	i				1	
S	• 1		•1				<del>                                     </del>			<del></del>		•2	5.0
ssw	• 4	.7	•2	•1			<del>                                     </del>	<u> </u>	<del>                                     </del>	<b> </b>		1.4	5.2
Ψc	.9	1.0	1.1	• 2		<del>                                     </del>	<del> </del>	<del> </del>	<del> </del>	<b></b>		3.2	6.1
WSW	7.0	4.3	1.7	•4		<del> </del>	<del>                                     </del>	<del> </del>				8.0	5.4
w	3.7	2.1	1.3	• 2		i ———	<del> </del>	<del> </del>	<del> </del> :-	<del></del>		7.3	4 . 4
Jy NW	, ,	• 4	-1			<del> </del>	1	<del> </del>	<del> </del> -	<del> </del>		1.2	3.5
NW	• 4	.1				<del> </del>	<del>                                     </del>		<del> </del>			.6	2.6
NNW	1	• 4	•1			<del> </del>	<del> </del>	<del>                                     </del>				• 7	4.2
VARBL	1.5	•1	• 2	•2		<del> </del>	<del>                                     </del>		<del> </del>	<del></del> -		2.4	3,2
CALM		$\geq$	$\geq$		$\geq \leq$				$\geq$		$\geq <$	05•4	
	15.8	11.8	5.8	1.2								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

g**9**9

USAFETAC ORM (1-8-5 (OL-A)-PREVIOUS EDITIONS C. THIS FORM ARE C. "OLETE

DATA PROCESSING PRANCH ETAC/USAF AIR FEATHER SERVICE/"AC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AP DE	4c-70,7	3-77	JUN
STATION	STATION MAME		YEARS	HONTH
		ALL WEATHER		<b>9300-0500</b>
		· CLASS		NOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.3					<b></b>	<del></del>					• 3	3.0
NNE	• 7	.3										1.2	2.5
NE	• 0	1.0	• 4			<u> </u>	1					1.2	4.5
Er JE	• 4	•7	• 1									1.2	3.9
E	1.0	.7					T		'			2.2	2.7
ESE	•2								<del></del>			• 2	1.0
SE						i		1					
\$5F		• 1					i	l'				• 1	5.0
_s	• 2						Γ					•2	2.5
SSW	• 3	• 2	• 1.	•1			T		1	i		-8	5 • 4
sw	• 4	1.7	1.3	٠,		I			<del></del>	-		3.8	5.4
WsW	2.2	2.4	1.6	• 4			i ——					6.1	4.7
w	3.4	4.0	1.0	• &								9.2	401
WNW		.3				i	T		<del></del>			1.2	2.4
NW	1 .1											• 1	1.0
NNW	•3							·				•3	1.7
VARBL	2.5	.3	• 6	• 1								3.5	3.1
CALM		> <	> <	> <	><			$\supset <$		$\supset \subset$	>	67.2	
	14.6	11.8	5.3	1.0				<u> </u>	3			100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE CRISOLETE

DATA PROCESSING PRANCE ETAC/USAF AIR MEATHER SERVICE/MAC

## SURFACE WINDS

100.0

TOTAL NUMBER OF OBSERVATIONS

2.8

900

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	ر الن ۾	TETE 15	٦L				46.	-70,73-	-77				J	U.;
STATION	<del></del>		STATION	HAME		ALL W	THE,			FELRS				)-)900
		<del></del>					LASS.						HOURS	(L.S.T.)
		CONDITION												
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N -	.5	• 8				<del> </del>	<del> </del>	<del>                                     </del>	<del>                                     </del>			1.6	3.0
	NHE	• 5	1.3	• 3				<u> </u>					2.2	4.2
	NE	1.0	1.8	• 5				i	T				4 • 1	4.4
	ENE	1.0	3.1	1.0	• 4		i	i	1	T			5.9	5.1
	Ε	3.2	2.2	• 7				l		<u> </u>			5.1	3.5
	ESE	• /	•2					<del>                                     </del>					. •9	2.3
	SE	•1					i	Ī T		T	1		•1	3.0
	SSE	•							T	T			•2	1.0
	S		.1:					i	Ī				•1	4.0
	SSW	-41	• 4	• 6	• 1					T			1.8	6.4
	5W	1.3	1.9	1.4	•0								5.2	6.2
	W/SW	2.2	3.7	3.0	۾ .								9.8	5.7
	W	2.3	4.2	2.5	1.1								10.4	6.0
	WNW	. 9	•6	• Ì	- 1								1.7	3.9
	NW	• 1	•1	• 1									• 3	5.3
	1MM	. 4	•1										•6	2.8
	VARBL	2.4	.7	6.3	•2								3.9	3.6
	CALM		> <	><	> <		$\supset <$		$\supset \subset$	$\supset <$		> <	45.1	

USAFETAC FORM SIL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

12+1

LATA PROCESSING PRACTHETACYUSAF AIR JEATHER SERVICEY AC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	REMOTETY OF PL	70,7.	JU.,	
STATION.	STATION NAME		YEARS	MONTH
		ALL WE THE		0900-1100
	<del></del>	CLASS		HOURS (L S.T )
		CONDITION		

SPEED (KNTS) DIR.	1-3	4 • 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	A JAN WIND SPEED
N .	1.01	2.7	• 4			9	:	<del></del>		!		4.1	4 • 4
NNE	2.3	4.0	1.0			<u> </u>	;					6.1	4 • 4
NE	1.1	4.0	2.1	• i		1	<del></del>	l — — —				7.9	5.7
ENE	1.5	3.0	2.3	• 7		!	:	T	i			3.8	5.1
E	2.1	1.0	• 9	• 9	• 1		:			<del> </del>		5.6	5.7
ESE	• 7.	•4	• 1				!	1	<del> </del>			1.2	3.7
SE :	• • • • • • • • • • • • • • • • • • • •	• ८				<del>!</del>	:	<del></del> -	1			• 3	3.3
SSE	٠,	•2					!	T		T		•5	2.0
s	.4	•1	•2	• 1				1	T			•9	5.1
ssw	.5	. 8	• 7	• 5		 	<del>i                                     </del>	<del>                                     </del>		1	İ	2.3	6.3
SW	•7	1.4	4.5	•6		I		T	<del>                                     </del>			5.0	7.3
W°W	1.6	4.4	5.1	1.5	.1	i			1		i ———	12.00	7.1
w	2.2	3.9	) . ರ	2.1	•2				<del>                                     </del>			14.2	7.2
WNW	1.1	1.0	• 4	-1		i		<del>                                     </del>				2.7	4.5
NW	• C	.3	• 1									1.6	3.0
NNW	٥.	.3	•1					T				1.0	3.8
VARBL	4.9	2.0	8.5	1.5	·r	Ι		<b> </b>				17.4	6.1
CALM	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\geq$		$\geq$		$\boxtimes$		8.3	
	22.0	30.0	31.0	8.0	.6	T						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 699

USAFETAC  $\frac{\text{FORM}}{\text{sr. 64}}$  0-9-5 (OL-A) Previous editions of this form are obsolete

DATA PRICESSING PRENCH ETAC/USAF AIR TEATHER SEPVICE/TAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMOTETAL AT INC.	∿5 <b>-79,73-77</b>	JUH
STATION	STATION HAME	TEARS	HONTH
		ALL MENTHS.	1200-1400
		CLASS	NOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.3	1.4	ا چُه و					<del></del>	1	<del></del>		3.2	4.4
NNE	1.51	2.0	٠ ٥ .						<del>                                     </del>	i		4.7	4.3
NE	1.4	3.4	1.0	• 6			i	<del></del>	<del></del>	ī — —		7.2	5.9
ENE	1.2.	3.1	1.4	1.7				i ———	Ī	!		7.4	7.1
ε .	1.5	- • 4	1.7.	1.3	i			l		i		5.91	7.5
ESE	• 5 !	.4	• 3!						T			1.0	4.1
SE	• 1	• 3						i		1	!	.4	3.0
SSE I	• 41	• 3	• 4					1	<del></del>	Ī		1.0	4.4
5	7	.7	• 월 :				$\overline{}$	I		i		2.1	5.5
ssw	c	•9	• 5				i — —	I	<del></del>			2.2	5 • 2
sw	•7.	1.9	2.1	1.4						T		6.1	7.
WSW		4.7	5.5	2.7	• *							12.3	8.5
w	1.7	3.5	6.0	5.1	• ८	• 1	l		<u> </u>			14.9	8.4
WNW	• 0	1.2	• /									7.4	5.4
NW	. j	• 6	i				l					•9	3.0
NNW	٠č	.7	• 1							i — —		1.6	3.0
VARBL	3.4	4.2	11.6	4.3	•0			<u> </u>		i	<u> </u>	24.1	3.1
CALM	><	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\boxtimes$		$\geq$	$\geq$	1.9	
	17.4	29.9	34.0	15.3	1.3	• 1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LATA PROCESSING TRANCH ET C/USAF Al "EATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405C	RAMSTETY AS DE	70-70-27	77	<b>j</b> 0.,
STATE	STATION NAME		YEARS	MONTH
		ALL WELTHE.		1500-1700
		CLASS		HOURS (L.S.T.)
		CONDITION	<del></del>	

SPEED (KNTS) DIR.	1-3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	tender that It	MEAN WIND SPEED
N	1.1	2.6	٠٤				1	1				3.9	4.3
NNE :	2.4	4.0	• 2 .									5.7	4.2
NE	2.2,	3.0	1.7	+ ŏ ;			<del></del>		i	<u> </u>		7.7	5.6
ENE	1.1	2.8	1.0	1.1	•1		<del></del>	i				6.7	7.0
£	1.0	1.6	1.5	1.7	•1		<u> </u>			<u> </u>		5.7	7.9
ESE	ا د ه	. 3	• 0	•1			<u> </u>	i	i			1.3	5.0
SE	• 4	• 1	•1,				<del></del>			i		1 .7	3.4
SSE	ć.	. 3					1	i				.9	3.1
S	• 4	1.1	• 5				<u> </u>		i			1.9	5.0
ssw	. 4	1.0	1.2									2.71	5.9
sw	• 7	1.2	2.7	• G i	•1		l	i		T		3.4	7.5
wsw	.9	4.0	0.4	2 • 6	. 1				<del>                                     </del>			14.2	8 • 2
w	1.3	3.9	7.0	2.5.	• 6		<del></del>	<del></del>				16.3	8 • 5
WNW	• 0	1.3	• 2				i					2.1	4.0
NW		.3	• 1							i		•4	5.0
NNW	• 9	.9	• 7									2.0	3.9
VARBL	1.7	3.9	9.2	3.0	. 3		l	T				18.5	8 • 1
CALM	> <	><	$\supset \subset$	$\supset \subset$	><	> <		$\supset \subset$	$\sim$		> <	2.6	
	16.1	32.3	33.9	13.6	1.6			· · · · · · · ·	<del>[</del>			100.0	ó• <sup>9</sup>

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETT

DATA PROCESSING PRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AR DE	7-73ر76-ن-	77	JUN
STATION	STATION NAME		YEARS	MONTH
		ALL WESTHE		1360-2000
		CLASS	<del></del>	HOURS (L.S T.)
	<del></del>	CONDITION		

	1-3	4-6	/ - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.=1	1.9					i			)		4.7	3.1
NNE	3.41	3.2	• 5				Ī		T			7.0	3.1
NE	3.4	4.9	1.5	• 7			T					10.1	5.0
ENE	1.07	۷.1	1.7	• 4								5.9	5.2
E	• 9	1.1	• 7	د ٠								3.0	5.9
ESE	, .3	•0	e G				<del>                                     </del>					1.3	5.2
SE		. 3										•6	3.0
SSE	: i.u	• 4						1	i			[ • 4	2+2
S	1.0	1.2										2.2	3.7
ssw	1.0	1.1	• 1									2.2	3.0
sw	-7	3.7	1+1	• 7				i				0.1	6.0
WSW	2.1	4.0	9.1	2.0	• 4					Ī		12.4	7.0
_ w	3.4	2.3	4 • 5	1.1	• 1							14.5	6.3
WWW	1.0	.7	•4	• 1						į		2.8	4.0
ИW	• 5	•7	• 2					1				1.2	4.5
NNW	• 1	.3	• 1					<u> </u>		I		•0	4.0
VARBL	2.4	.9	5.3	• 1				1		<u> </u>		9.1	6.5
CALM	$\supset \subset$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$			14.6	
	26.2	32.4	21.1	5.3	.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC TOTAL 0-8-5 (OL-A, PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

DATA PRUCESSING FRANCH ETAC/USAF AIR PEATHER SERVICE/PAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	PAMSTEIN AP DE	^5-70 <b>,</b> 73-77	3014
STATION	SHAN NOITATE	TELES	MURTH
		ALL MEATHER	2100-2300
	<del></del>	CLASS	HOVES (L.S.T.)
	<del></del>	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 5	.3				i	<u> </u>				<u> </u>	1.1	2.5
NNE	1.0	1.3	• 1			<del></del> -	<del></del>				i	3.0	3.3
NE	1 2.2	-:	• 2			i		1	T			3.2	3.4
ENE	1.7	1.2	• 1			1	i			i		3.3	3.1
E	3.0	• 5				i	<del>                                     </del>			i		3.8	2.0
ESE	• 7	•1					i				i	1.0	2.0
SE	•1					i	<del> </del>		<u> </u>		<del>                                     </del>	• 1	2.0
SSE	i	1		l —		i	<u> </u>			T	<b></b>	•1	4.0
s	• 6	•1		i		<u> </u>	<del>                                     </del>			<u> </u>	i T	• 3	3.3
SSW	• 7	.7	•1	i	i	i				i —		1.7	3.5
sw	•0	1.1	• 5	• 6	•1			i	<b></b>			7.5	6.3
wsw	1.7	4.9	2.2	1.2	-1	i	1	1				8.1	6.5
w	2.0	3.1	1.0	•1		1	<del>                                     </del>		<u> </u>	T	T	7.3	4.7
WNW	1.0	5.	•1			<del></del>	1	T			<del> </del>	1.3	3.0
NW	• 3	•2		i		<del>                                     </del>					T	•5	3.0
NNW	•3	• 2.						1				•5	2.0
VARBL	2.1	1.	•3				<b> </b>		<del>                                     </del>	i –	<u> </u>	2.0	2,7
CALM		$\boxtimes$	$\boxtimes$	$\geq$	$\geq$		$\supset \subset$	$\boxtimes$	$\geq$	$\geq$		59 <b>.</b> I	
	20.1	13.4	5.5	1.6	.2							100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JATA PROCESSING PRANCH ETAC/USAF AIR REATHER SEPVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMOTETH AP OL	40-70,73 <del>-</del> 77	JU <sub>i</sub> ;
STATION	STATION NAME	YEARS	MCMIN
		ALL of THE	ALL
	<del></del>	CLASS	HOURS (L.S.Y.)
		CONDITION	

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	***************************************	MEAN WIND SPEED
N	1.2	1.2	• 2						<del>                                     </del>			2.5	3.7
NNE	. 1.7	2.0	• 5							i		4.0	4.0
NE	1.7	۷.5	1.1	- 2				Ī	i	i		2 • 5	5.1
ENE	1.4	4.3	1.1	• >	•0							3.2	5.6
E	1.0	1.2	•7	• >	•0				<u> </u>			4 • 2	5.4
ESE	5	. 3	• 7.	• (;								I - 0	4.0
SE	4	• 1	۰۷									• • • • •	3.2
SSE	٠.5	•2	۰٥					Ī				•5	3.1
<u> </u>	.4	•4	• 4	•0				i —	<del></del>	i		1.0	4.5
SSW	) •O	.7	• 5	•1			<del></del>		1			1.9	5.2
SW	• 5	1.7	1.0	• 6	•0			<del></del>				4.7	6.8
wsw	1.0	3.0	3.6	1.5	• 1				1	i		10.4	7.0
w	2.0	3.8	3.9	1.3	-4	• *						11.5	0.0
WNW	• 7	.7	• 3	•0								1.9	4.1
NW	• 5	• 3	•1	_					<del>                                     </del>			•5	4.0
NNW	.5	• 3	•1					<del></del>				9	3.6
VARBL	2.7	1.5	4.0	1.4	•1		<del>                                     </del>	İ				10.3	6.9
CALM		> <	$\geq$	$\geq \leq$	$\geq \leq$	$\geq <$	$\geq$		$\boxtimes$	$\geq$	>>	33.0	
	18.9	22.9	18.6	6.1	•5	•0						100.C	4.0

TOTAL NUMBER OF OBSERVATIONS 7198

USAFETAC FORM C-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FOR!" ARE OBSOLET

DATA PRECESSING PRANCH ETACYUSAF AIR =EATHER SEPVICE/MAC

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	R-Motern at me	· 5-70,73-77	JUL
BOTATE	STATION NAME	YEARS	MONTH
		ALL AF, Telf	0000-0200
	<del></del>	CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	***************************************	MEAN WIND SPEED
N	• 1								Ī	i			1.0
NNE .		• 4						i		ı		•?	4.0
NE	•1		• i					<u> </u>		1		• 6	6.0
ÉNE	1.0	•7								!		1.2	5.0
E	1.5	• 4	- <del></del>					^	<del>                                     </del>	Γ		1.3	2.7
ESE	• >							!				• 5	1.8
SE	• -											•6	1.8
SSE			•1					1		1		• 2	5.0
s									<u> </u>				
SSW	•1	•2	• 1					<u> </u>		<u> </u>		•5	4.0
SW	• 5	•5	1.0	•1				i	<del>                                     </del>			2.0	5.0
wsw	1.0	2.4	3.3	1.0				i	ī	Γ		3.2	5.0
w	4.2	3.9	1.7	• 1					Ţ			10.5	4.8
WNW	1.4	.7	•1					i — —	T			2.3	3.2
NW	•2		-T						†			• 4	3.1
NNW	-1							T	T			•1	1.0
VARAL	.5	•1	•1		-1			1	T	i — —		1.0	4.6
CALM	$\supset \subset$	> <	> <	> <	$\supset \subset$						> <	70.5	
	12.0	8.7	6.7	1.5	.1				<u> </u>			100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 842

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING REACH ETACHUSAF AIR REALMER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405€	R. Mater, La CL	70,73-77	يال ل
STATION	STATION NAME	TEARS	MITTH
		all a The	0300-0500
		CINE	nouts (L.S.T.)
		CONSITION	

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	***************************************	MEAN WIND SPEED
N						<del></del>		i		i		• 2	1.3
NNE	• 21	• 2							<del></del>	Ī		• 7	2.7
NE	-11											•1	
ENE		•1			!				:	T	:	• 5	2.0
£	<u> </u>	•0				l				T T		1.0	2.0
ESE	£ • 71											• • 7	1.7
SE	ē •Ii					i — —		1		ļ		•1;	2.0
\$SE	· 1					<u> </u>				Ī		•1	2.0
S	.4	-1				<u> </u>						•5	2.5
ssw	E • 1	• 4	•4			•1				Ī		•8	8.3
SW	1 l.l	1.1	1.3	***	!	<u> </u>		T — —	<del></del> _		!	3.7	6+3
\'/\$W	1.7	3.2	2.9	- 1		T		i –	;	<del>                                     </del>		3.8	6.2
w	3.0	2.9	1.4	. 4		i		T	<del></del>			8.3	4+2
WNW	.7	•1				ī				7		+8	1.7
NW	.1	.1						<del></del>	T	<del></del>		•2	3.0
NNW	1 .1								I			•1	2.0
VARSL	1.4	•2	•2			Γ		1	T	T		1.9	3.3
CALM		> <	> <	> <	$\geq$	$\boxtimes$	$\geq$		$\boxtimes$	$\boxtimes$		70.7	
	12.0	9.0	5.1	1.5		•1						100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 857

USAFETAC FORM G-2-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

DATA PROCESSING TRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	P MSTEIN LA DE	· ,-70,73-77	y d <u>c</u>
STATION	STATION NAME	TELES	CONTH
		ALL afTer	160J-0500
		CASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	42 · 55	≥56	***************************************	MEAN WIND SPEED
N .	• > 1	• i					!			i	j	• 6	2.2
NME .	• 1	• 6				!	l T				!	اخو	2.6
NE 5	• 3	.9	• 1					1		i	i	1.4	4.5
ENE	1.2	1.0	• 1	· • Ł			1	ļ		-	·	Z.4	4.3
ξ :	2.01	1.5	• 2	• 4						-	1	4.5	3.7
ESE	• 5	.1				<del></del>	i			<u> </u>	i	• 7	2.0
SE [	•1	-2					1				<u> </u>	•3	4.0
SSE	•1						!				i	•1	2.0
š į	• 1		• I				Ī I	-			<u> </u>	•2	5.0
SSW	•5	.3	•7									1.5	5.2
SW	1.2	1.7	Z•1	•6	• 1				<u> </u>		<u> </u>	5.7	5.0
wsw	2.2	3.0	3.3	1.5		<u> </u>	T		i		i	12.0	5.0
w	4.3	4.0	2.1	• 6		1			Γ	<u> </u>	<u> </u>	11.5	4.5
WNW	1.5	•1				<u> </u>			T		i	1.4	2.3
HW I	•1	•1		i		<u> </u>	<del></del>	i	T	<u> </u>		• 2	3.0
NNW	•0	.1					1			<del></del>	i	.7	2.2
VARBL	1.0	• 3	•0				<u> </u>			<u> </u>		2.8	3.0
CALM		> <		$\supset$		$\boxtimes$	$\geq$					0.2c	
	18.8	14.5	11.7	2.9	.1				<u> </u>			100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

865

USAFETAC FORM 0-8-5 (CL-A) MEVIOUS EDITIONS OF THIS FORM ARE DESOLETE

CATA PROGESSIAS PRANCH ETAC/US#F AIR \*EATHER REFVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34057	Fristern with	7C,7	77- د	JUL
ETATIOS	STATION HAME		TEARS	#OFTP
		all we to .		^90J-1109
	<del></del>	CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	256	The amendance of the state of t	MEAN WIND SPEED
N	. ? 1	1.2	• [ :				:	i	!	i :		7.0	4.0
NNE	Z.1,	1.7	• 4					i	<del>                                     </del>			4.01	3.0
NE :	2.1	2.3	• /	•1				<del></del>	<u> </u>	!		5.5	4 • 2
ENE	1.0	2.5	• 0	• !			:	İ	!			3 457	4.5
E	1.0	1.7	1.0						i			1 4.5	5.7
ESE	الا •	•6;	- 1				:	<u> </u>	Ī			1.0	3.1
SE	•4]	•1	+1									1 -51	4.3
SSE	• 3		• 4					i	<u> </u>	i -		1 .5	4.2
\$	•7	•5;						Ī				1.2	2.>
SSW	• 21	• 9	• /					!	Γ			7.1	5.4
sw	•7	2.2	4.0	1.0	1.			1				8.7	8.1
wsw	[.5]	4.3	0.4	4.4	• 5			I	j			12.0	7.0
w	2.0	5.2	7.0	4.1			1	<u> </u>	I	Ī		15.5	7.3
WNW	1.7	1.0	• 4	• L					T	<u> </u>		3-1	3.7
NW	••	-21							$\vdash$			.8	2.5
NNW	• 1	• 8					<u> </u>	T	!			1.5	3.0
VARBL	4.7	1.4	7.4	2.3		<u> </u>	1	Ī	Ī	i -		15.5	6.0
CAIM	$\supset \subset$	>	><	> <	$\supset \subset$	$\supset <$			$\supset \subset$		>	10.3	
	22.8	27.7	29.5	9.1	.6				<u> </u>			100.0	5+5

TOTAL NUMBER OF OBSERVATIONS 867

USAFÉTAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH STACYUSAF AIR REALMER SEPVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OESERVATIONS)

RadoTeta 4ª 16	No -76, 73	-77	JUL
STATION NAME	<del></del>	TEARS	ecsts
	SEL WESTHE		1203-1400
	ius.		POZES (L.S.Y.)
		STATION MARK	STATION NAME TEARS

SPEFD (KNTS) (SIR. )	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	22 - 33	34 - 40	41 - 47	48 - 55	≥5%	District Country of the Country of t	MEAN WIND SPEED
N .	1.0	1.0	۽ ٿي ه					i	1	I	-	3.0	3.0
NNE	1.07	1.0	+ 1				<del></del>		1		:	j 3.0	4.0
NE .	• 7 }	3.5	-6					1	-	1	I	4.01	5.2
ENE S	• 5	•9	• 6	•1;			:	Ī		:	1	7.5	203
£ §	• 7	1.4	4.1	•6			9	Maria	1	1	1	7.0	7.0
ESE !		.0	• 1 :				1	-		1		• /	5.3
Sē	• >	•1	•1	•1			1	1	1	1	1	1 +0	4.7
SSE	•0	•4	• 5				!	1		Ī		1.2	4.4
S §	• 0	1.0	• =	Ī			1			1		3 2-1	4.3
SSW	- 6	1.5	1+4	• 4			No.	1	9	T		3 3 4 /	6.0
sw	• 5 ;	4.0	3.∪	4.4	.2		1	1	Ţ	,	Į	2.9	₹•4
wsw	•01	3.2	2.2	4.0	.0		1	1		1		13.7	9.2
w	1.0	2.1	7•∪	***3	- 1		1	I	1	T	ļ	13.3	5.11
WWW 3	1.3	2.0	• ŏ	•1				ļ	1	Ī		2 4-1	5.2
NW	• / !	• 0	• 1				İ	i	ł	<u> </u>		§ 1.4	4.1
NNW I	•>	• 6	• Z				1		i i	1	1	1.5	4.5
VARSL	2.5	3.6	11-5	4.0		<u> </u>	1			<del>                                     </del>		61.5	3.0
CALM	$\searrow$	> <	><	$\geq$	> <	$\supset <$						3.1	
	15.7	29.5	34.0	15.7	.9		1				T T T T T T T T T T T T T T T T T T T	100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

868

USAFETAC FOR 6-3-5 (OL-4) previous editions of thes form and designed

DATA PRECESSING FRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AR DL	50-70,7	3-77	JUL
STATION	STATION NAME	<del></del>	YEARS	MONTH
		ALL WEATHER		1500-1700
		CLASS		HOURS (L.S.T.)
	_			
	· · · · · · · · · · · · · · · · · · ·	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥58	%	MEAN WIND SPEED
N	• 9	2.5	• 5					1				3.7	4.0
NNE	1.0	1.7	• 1									3.3	3.9
NE	٠٧	3.3	• 0				<del>                                     </del>	1				5.1	4.9
ENE	.9	1.4	1.4				<del>                                     </del>	1	1	<del> </del>		3.7	5.7
E	• 0	.9	1.0	• >				i	1	Ì		3.2	5.4
ESE	• 3	•0	• 7	• 2								2.1	5.4
SE	• 1	•0	•2				T					• 4	5.4
SSE	• 2	• 2	• 4									• 9	4.4
S	.0	• 9	• 1	• 1								1.7	4.0
\$5W	• /	1.8	• /					1				3.2	5.1
\$W	• 2	2.9	4.0	• 5	• 1							6.3	7.2
WSW	• 9	3.8	7.1	4.0	• 3							10.5	9.0
w	•0	5.0	9.7	5.0	• 1			T	T			20.5	3.7
WNW	1.5	2.5	1.0	• >								5.5	5.0
NW	. 3	• 7	• 5									1.5	5.2
NNW	• 8	• 5							;			1.4	3.2
VARBL	3.2	1.0	10.1	3.0	• 3		1					18.3	7.9
CALM	$\boxtimes$	$\times$	$\times$	> <	$\times$	$\boxtimes$						2.1	
	14.9	31.1	37.2	13.8	.9			1				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 868

The state of the s

USAFETAC FORM 0-8-5 (OL-A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING GRANCH ETĂC/USAF AIR HEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND ...'EED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AR OL	20-70,7	> <b>-7</b> 7	JUL
STATION	STATION HAME		YEARS	RIKOM
		ALL WF, THE		1800-2000
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.01	1.5	• 3				-		<u> </u>			3.8	3.0
NNE	1.3	.5	د.				I				<u> </u>	2.1	3.7
NE	2.1	3.0	+3	• 1	<u> </u>			í – – –				0.1	4.3
ENE	1.4	2.7	* 4				i		T			4+5	4 • 4
Ε	1.0	2.1	1.4							1		4.5	5.2
ESE	۲.	. 8	• 5	• 1					<del>                                     </del>			7.3	5.2
SE	•//											•7	2.0
SSE	•7,	•1		•1			1					.9	3.0
\$	1.2		•1		}			i			Ι	1.8	3.4
SSW	2.0	1.2	• 4				<u> </u>	†				3.3	3.2
SW	1.7	2.1	1,.5	•1				<del></del>	<u> </u>			5.0	5.3
WSW	3.0	2.3	5.5	1.6		i						15.0	5.2
W	3.8	0.8	7.0	2.2	•5				1			20.3	5.7
WNW	1.0	1.5	•5	•1								3.7	4.7
NW	1.3	• 8	• 6						<del> </del>			2.3	4.0
WNW	1.3	*,7	I				<b> </b>		T -			2.0	3.2
VARBL	1.7	.6	3.7	• 7								6.7	6.0
CALM	$\searrow$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$		$\geq$	$\boxtimes$	$\geq$	14.0	
	27.5	31.6	21.9	4.6	.5							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 867

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING RRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AR DE	56-70,73-77	յնլ
STATION	STATION NAME	TEARS	MONTH
		ALL WELTHE-	2100-2300
		CLISS	HOURS (L.S.T.)
		CONFILICA	

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	23 - 33	34 - 40	41 - 47	48 - 55	≥56	in the state of th	MEAN WIND SPEED
N	• < 1						-		-		ļ	• 2	2.5
NNE	1.0!	• 4					i	<b> </b>		!	<del></del>	2.1	2.5
NE	• 7	• 4									T	1.3	2.9
ENE	1.5	• 5					i -					2.2	2.0
E	1.5	.0					1					2.1	2.5
323	• /	.2	• 1				1					Tell	3.4
SE	-1						:			-		•1	2.0
SSE	.1	•1	•1									4	5.0
S	• < 1	.1	• 1									.5	4.5
SSW	• 6	- 1		•1								1.1	3.7
sw	• 71	1.2	• 4	• Z			i					2.7	
WSW	2.2	3.2	3.2	• 5	• 1				l	ļ _		7.0	
w	3.0	3.>	2.5	* 2	• 1				-		_	10.7	5.1
WNW	1.1	.7	• 1	•1	. 1							2.1	4.6
NW	.41	• Z										• 6	3.4
NNW	,4	-1										•5	
YARBL	1.1		• 5			-						1.7	4.0
CALM		> <		$\geq$	$\geq$	$\geq <$		$\geq$		$\geq$		01.6	
<del></del>	13.1	11.3	7.1	1.5	.4		T					100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 847

USÁFETAC FORM 0-8-5 (OL-A) PREVIOÚS ÉDITIONS OF THIS FORM ARE ORSOLETE

DATA PRUCESSING PRANCH ETAC/USAF AIR -EATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AP DE	5g-70,73 <del>-</del> 77	JUL
STATION	STATION NAME	1EARS	MONTH
		ALL AF THE	Αί <u>ι</u>
	<del></del>	CLASE	HOURS (L.S.T.)
		CONDITION	<del></del>

SPEED (KNTS) DIR.	1.3	4-5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	**	MEAN WIND SPEED
N	. 3	. 8	• 4					i	1	<u> </u>		1.7	3.9
NNE	1.1	٠,	• 1						l	Τ		2.1	3.2
NE	1.0	1.9	+4	• 3						T	i	3.2	4.5
ENE	1.1	1.2	• 4	٠٠						<del></del>		2.8	4.4
E	1.2	1.1	٥٠	•1					1	<del></del>		3.4	5.0
ESE	•0	. 4	• 4	•0						<del> </del> -		1.2	406
SE	• .2	-1	• 5	••				i — —	T	<u> </u>	<del>                                     </del>	•5	3.7
SSE	د .	• 1	•1	10				T	<del></del>	i		•6	4.2
\$	• 5	.4	• 1	•0					1	i		1.0	3.5
ssw	•7	. 8	•5	• Q		•5			<u> </u>	1		2.0	5.1
sw	.9		2.0	• 7	.1			<del>                                     </del>	<del>                                     </del>		i	5.5	7.1
wsw	1.7	-	4.9	1.9					T	<del>                                     </del>		12.5	7.4
w	3.1,	پ	4.9	2.0	• 1					<u> </u>		14.6	5.7
WNW	1.3	:.1	• 3	• 1	.0					Ţ	i	2.9	4.5
NW	•37	.3	•1							T	<u> </u>	1 -91	4.0
NNW	•0	. 4	•0						T	T		1.0	3.4
VAREL	2.2	.9	4.3	1.3	• 1.			1		<del>                                     </del>		8.8	7.1
CALM	><	$\times$	$\geq$	> <	><	$\geq <$	$\boxtimes$					25.4	
	17.8	20.5	19.4	6.4	.4	<b></b> €	-			1		100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 6882

USAFETAC: FORM 0-8-5 (QL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

DATA PROCESSING REARCH ETAC/USAF AIR WEATHER JERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTETN AR OL	no-67,69-70,73-77	አባ <b>ሮ</b>
STATION	BRAN HOLTATS	YEARS	MONTH
		ALL WELTHE,	0000-0200
		CLASS	HOURS (LS.T.)
		COADITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	**************************************	MEAN WIND SPEED
N	.4	.5					į					•9	3.9
NNE ;	• 4					<del>                                     </del>	i					4	1.7
NE	١٠٠	•5	• 1			i	<del>                                     </del>	<del></del>	<u> </u>	1		1.0	3.0
ENE	.5	.9	• %			T	T	<u> </u>	1			1.9	4.4
E	1.9	• 4	• 5					i	<b> </b>			2.5	2.7
ESE !	•¢	• 1				1	i	<u> </u>				•9	2,0
SE	• 1						Ī	i –			i	1 -1	2.0
SSE		• i,	<b>7</b> I			<del>                                     </del>	i	i				• 3	7.0
5	•3	• 1	+3						İ			-7	5•3
ssw	•3				I		1		<del></del>			j •3	2.0
SW	.0	1.9	• >	•4			<u> </u>	]			i	3.6	5.5
WSW	2.0	2.3	2.5	• 5			T T					7.3	5.7
w	1.5	.7	• 3	•1				<del>                                     </del>				2.5	3.9
WNW	• 5	• 1			i		<del>!                                    </del>					.7	2.4
NW	.3				l T	<u> </u>						•3	2.0
NNW	• [							Ī		†	<del></del> -	9 •1	2.0
VARBL	•3	• 1	• 4					<del>                                     </del>				8.	5.3
CALM	><	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq$	$\boxtimes$	$\geq$	$\boxtimes$	$\geq$		75.2	
	11.0	7.8	4.9	1.1.								100.0	1,1

TOTAL NUMBER OF OBSERVATIONS

753

USAFETAC PORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLET

DATA PRICESSING PRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34055	RIMSTE'N AS OL	າວ−70,77 <b>−77</b>	AUG
STATION	STATION NAME	TEARS	MONTH
		ALL AS THE	0300-0500
		CLASS	HOURS (L.S.T.)
		COMDITICM	

SPEED (KNTS) DIR.	1.3	4-0	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	St broadbroands that the	MEAN WIN'S SPEED
N	. 1	i				<del></del>				i	ı	•1	1.0
NNE	• 4 ;	-1				i				ļ		• 5	3.3
NE	• 7	•1	• 4			Ī						1.4	4.1
ENE	1.2	.9	• 2							i		2.3	3.5
E	3.[	•51				i		l		T		3.0	2.2
£3E	• • •	.1							i			• 5	2.0
SE	• 4	.4				i		<del></del> _			<u> </u>	.61	3.0
SSE	•1;	• 1				T				1		•2	3.0
\$	•1		•1	•1								4 .4	6.7
ssw.	•21	.5	• L									• 9	5.1
sw	471	.9	• 9	• 2				Γ				2.8	5.0
wsw	1.1	1.8	1.1	• 4		Ī					T	5.0	6.3
w	2.0	1.2	1.1	• 2					Ī	T T		4.0	4.1
WNW	1.0	• 2	•1									1.6	3.3
NW	•2		• L									-4	4.3
NNW	+4	-2					ĺ					.5	3.0
VARBL	1.4	• 4	•1	+1						T -	Ī	2.0	3.3
CALM		><	$\times$	> <	> <		$\boxtimes$		$\supset$	$\supset \subset$		12.7	
	13.5	7.7	4.9	1-1								100.0	1.2

TOTAL NUMBER OF OBSERVATIONS §13

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

DATA PROCESSING RRANCH ETAC/USAF AIR VEATHER SERVICE/MAC

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

PAMSTETN AR DE	77-67,07-07		۵Uن
STATION NAME		YEARS	MONTH
	ALL WEITHER		0500-0600
	CLASS		HOURS (L.S.T.)
	Reitieko		
		STATION HARE  ALL METHE  CLASS	STATION NAME  ALL METHE.  CLASS

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	<b>*</b>	MEAN WIND SPEED
N !	.5	•2						1	1	i		.31	2.9
NNE ;	• 2	•1		-					!			•6	Z • 8
NE	1.1	• >										1.5	3.1
ENE	2.1:	1.9	• 5									4 • 5	3.7
E	4.0	1.4	• 1					i	1			5.1	2.0
ESE	1.4	•4								<u> </u>		1.5	2.5
SE	•0						1					•5	1.0
SSE												1	
5	•2		o l									4 .4	3.3
SSW	• 5 ]	•5	• 2				į					1.2	4.4
SW	•7	1.4	ō•	•5			<del></del> -	T				3.8	5.0
WSW	1.7	3.3	3.5	• 0			<u> </u>	Ţ				10.3	5•4
w	3.0	2.4	1.1	•5				<del>                                     </del>	T	<del>                                     </del>		7.7	4.0
WNW	• >					<u> </u>	<u> </u>	T				• >	2.0
NW		.2						T		<del>                                     </del>		•2	4.5
NNW	• 4											•1	1.0
VARSL	2.2	•4	•5	• 1			<del></del>			T		3.2	3.5
CALM		> <	$\times$	> <	$\geq$	$\times$			$\supset$	$\boxtimes$		26.8	
	21.0	13.1	7.1	2.0					1			100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 848

USAFETAC CRM 0-9-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING TRANCH ETACOUSAF AIR REATHER SERVICEOMAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM 1:OURLY OBSERVATIONS)

3405¢	RAMSTETH AF OL	50-73,73-77	غ∪ن
STATION	STATICM MAME	TEAS	MTHOM
		ALL nonth	0900-1100
		CIASE	HOURS (LS.T.)
		CONDITION	

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 35	≥56	X	MEAN WIND SPEED
N ·	.9	-6						<u> </u>	<del></del>			1.5	3.2
NNE	2.2	1.3	<b>3</b> <sup>6</sup> 4				i	<del></del> -	i			3.9	3.0
NE	2.1	2.0	1+3	•1	-1			<u> </u>	i	1		5.2	5.1
ENE !	3.5	4.4	4.1	•0			i	l	<del>                                     </del>			10.8	5.0
E	2.3	4.4	2.8	•0	- 1		i	<del>i</del>	<del></del>			3.5	0.0
ESE :	- 5	• 5	• 4	•1					<del>                                     </del>			1.6	4.0
SE	•6	•1						i	i	i		•7	2.5
SSE	•51	• 1					<u> </u>	<del>                                     </del>	i	i -		.6	2.5
S	.5	• 8	• 1					i	!	1		1.5	4.4
SSW	•7	•0	• 0				i	<u> </u>	i			2.1	5.4
sw	• 3	2.6	2.0	• 9			T	l	i			5.9	7.6
wsw	1.9	4.4	5.4	2.1	• 1				<del></del>	<u> </u>		14.5	7.4
w	2.0	7.9	3.0	1.5			<del></del>					11-1	5.7
WNW	• 5	•1						1				• 9	2.1
N:W	4.2	•2	• 1						T			•6	4.2
NNW	, 4	•2						1	<del>                                     </del>			•5	3.€
VARBL	3.5	1.2	4.9	1.1								10.5	6.4
CALM		$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\boxtimes$			$\geq \leq$	1/.3	
	25.0	24.6	24.9	7.9	.4							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 849

DATA PROCESSING ERANCE ETAC/USAF AIR REATHER SERVICE/MAC

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405	RAMSTET ( AP DE	×5-79,73-1	77	<b>ಸ</b> ರಕ್ಕ
STATION	STATICS NAME		TELES	SCATH
		ALL RESTHES		1200-1400
		CLASS		HOURS (L.S.T.)
	-	COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1 ./	.7					i		1	1		1.41	3.5
NNE	1 1.3	1.0	• 6				Γ	I		i		3.61	3.0
NE	1.0	3.?	1.1	• 4				i —		ĺ		0.21	5.4
ENE	1.5	3.2	4.6	• <u>s</u> ,			į		Ī		i	0.4	6.1
E	5 . 2	2.0	1 . 7	1.4			Ī		<u> </u>	<u> </u>	1	5.4	7.0
ESE	1 • Z	. /	• 7	• 7			T		1	!		2.1	7+1
SE	į •0	.6	•4						Ī	1		1.4	2.0
SSE	• 1	. 4	• 5					i				•9	0.0
s	1 .7	.7	• 5	1			I	!	1	I		2.1	4.5
SSW	į .7	1.0	1 • 4	٠2				1	1			4.0	2.7
SW	1 L · I	2.9	3.6	1.5						Ī		9.5	7.4
WSW	1.0	3.1	2.4	4.1	•1					Ī		14.4	5.7
W	1.0	3.5	5•3.	2.5	• 4				Ī			13.4	7.7
W:W	4 .7	. 8	• 1									1.0	4 - 1
NW	.5	.5	• 1							1		1.1	3.0
NNW	• >	.5										•9	3.9
VARBL	3.3	3.3	2.2	3.3						1		18.1	7.4
CALM		$\geq \leq$	$\times$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\boxtimes$		4.1	
	17.9	30.5	32.7	14.4	4							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 849

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OFSICET

DATA PRECESSING TRANCH ETAC/USAF AIR FEATIER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 <b>3</b> 50	RAMSTETY 43 TE	20-7C,73-77	ÂUÜ
STATION	STATION NAME	TEARS	MCNTN
		ALL RESTHE	1500-1700
		CLIB	NOVES (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	ind i sustandonis sinat	4-6	7 - 10	:1 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	ALL-ALCONOMICS AND AL	MEAN WIND SPEED
N ·	1.91	1.	- 4	i				<u> </u>	1			3.1	3.9
NNE	2.0		• Z						ī	i		4.1	3.7
NE	1.3	2.1	1.1	•4				1	T			4.3	5.5
ENE	1.3	4.0	1.9	- 2				<del></del>	1	1		7.4	5.4
Ē	1.21	2.2	3•∠	**				<u> </u>	Ì	i -		7.7	7.3
ESE	1.1	1.3	• 5					<u> </u>				3.2	4.7
SE	-1	•0	• 1					<u> </u>	i	1			<b>3•1</b>
SSE		.9							Ī			.9	4.4
S	1.4	• 7	• 7					1				3.1	4.0
SoW	• 9	4.0	• 0	• 4					1			4.4	5.2
SW		2.4	3.3	1.2								0.8	7.0
wsw	1.3	3.4	3.7	3.1	• 5	- I			1	ļ		14.0	8.5
w	.8	2.9	2.7	4.0	• 1				I			13.3	8-1
WNW	.4	1.3	* Q					1	ĺ			2.2	3+8
NW	-41	7	• 4					1	I			1-3	4.5
NNW	.01	.9										1.5	4.0
VARE:	3.7	1,9	0.9	2.0								14.5	5.9
CALM		$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\boxtimes$	$\boxtimes$		$\geq \leq$	4.5	
	18.8	33.2	31.8	10.0	.6	-1	_					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

849

DATA PROCESSING TRANCH
THE STACYUSAF
AIR MEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AR RE	75-70, 73-77	AUG
STATION	STATION BLUE	TEM	-
		ALL REATHER	laco-2000
	<del></del>	C.S	MOVES (L.S.T.)
		COMPSTICM	

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	25 - 33	34 - 40	41 - 47	48 - 55	≥56	HIP AMERICAN MINISTRAL	MEAN CRIW SPEED
N	.5	.0						<u> </u>	1			1 1.	2.9
NNE	2.4	1.5	• 1				<u> </u>	<u> </u>	<del></del> -			1 4.0	3.0
NE	2.0	2.7	•-			1		<u> </u>	Ī			3 - 7	3.0
ENE	1.71	4.0	• 7			i	1	i — — —	i —	Ţ		3.0	4.0
E	2.7	2.9	1.07	• 4		]	i	<del></del>	<del>                                     </del>			7.5	4.0
ESE	1./	1.6	• 5			1						3.4	3.7
SE	• 7	•2	• 4			Ī	Ī	1	T		\ <del></del>	1.4	3.0
SSE	• • • • •	•1	• 1			i	<u> </u>	<del></del>	i			•/	3.7
S	1.2	.7				i –	Ī	<del></del>	1	i i		1.8	2.5
SSW	2.7	.7	• 7				<u> </u>			-		4.4	3.7
sw	1.5	1.9	1.7	•>		Ī		1	Ī			2.5	5.7
wsw	2.4	3.8	204	• 7				Ī				1 10.3	5.2
w	3.0	4.1	3.1	• 4		l	<u> </u>		Ī I			11.3	5.2
WNW	1.5	1.7	•4			l	1	Ī	<u> </u>			3.5	3.9
NW	•21							<u> </u>				1 .2	2.0
NNW	۰۵۱	٠2					<u> </u>		<del>                                     </del>	Manage		1.1	2.3
VARBL	1.7	•1	• 8	•5				Ī	1	- Common		3.1	5.0
CALM		> <	$\times$	$\times$		$\boxtimes$			$\supset$			27.6	
	29.4	20.5	14.2	2.4				1	T	<u> </u>		100.0	3.4

TOTAL NUMBER OF DESEXVATIONS

R48

USAFETAC FORM PS-S (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLITE

DATA PROCESSING PRANCH ETAC/USAF AIR LEATHER SERVICE/MAS

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RUMSTETY AT TE	·70,7	3-77	AUG					
STATION	STATION NAME	डर्डाल चाहर स्रोर्ट ल <sup>ु</sup> ्रीलो							
	<del></del>	CUM.		2100-2300 BOIL (EET.)					
	<del> </del>	Gentale.							

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	23 - 33	34 - 40	41 - 47	48 - 55	≥56	5 5	MEAN WIND SPEED
N :	• 4							i	1			• 4 [	1.0
NNE :	• • • • •					<u> </u>		1	ļ			• 5 !	1.02
NE F	1.4	1.1	- 1						Ī			2 - 7	303
ENE	2.4	. 6	• 4			Ī						3.0	303
Ę	2.21	. 4			<u> </u>	Ī		i	1	i T		Z+> [	2.3
ESE	• >						:		<u> </u>	<del></del>		•5	1.3
SE	• 5	.1					-	i – – –		ļ		• 4	3.0
SSE		••					ļ	Ī	<u>_</u>	Ī		• 4	3.7
S	-1	. 2					1	I	<u></u> _			•6	4.0
SSW	1.3	.0	• 5					I	<u> </u>	Helin		2.2	3./
SW	1.4	1.5	•0	•1		Ī		I	Ī			3.7	4.7
wsw	1.5	2.5	1.4	•5	<u> </u>			ī				0.2	5.5
w	2.5	1.5	• 3			<u> </u>						4.5	3.3
WNW	1.0	.1	•1									1.3	2.4
NW	•11							ī		100		•1	2.0
NNW	-1							<u> </u>	Ī		1	• T i	3.0
VARBL	• >		-4	• 1	<u> </u>	<u> </u>		<u> </u>	1	1		1.0	5.0
CALM		> <		> <	> <		$\boxtimes$	$\geq \leq$		$\supset <$	><	69,3	
	16.8	9.7	3.6	•8				i				100.0	1.2

TOTAL NUMBER OF OBSERVATIONS

787

USAFETAC FORM 0-5-5 (OL-A) PHEVIOUS EDITIONS OF THES ROBM AND DISSOLFE

DATA PROCESSING PRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AP PL	70,73-77	Δυζ
STATION	STATION NAME	TEARS	HONT'
		ALL #FATHER	ALL
		CLASS	NOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	• 2	•0								T	1.2	3.4
NNE :	1.5	.7	•1							1	i	2.3	3.0
NE	1.5	1.7	•0	•1	. ₫							3.8	4.0
ENE	1.9	2.5	1.4	• 2								5.8	4.0
E	2.4	1.0	1.3	• 4	.0							5.7	5.2
ESE	• 9	• >	ۇ •	•0								1.8	4.2
SE	•4	.3	• 1									•8	3.5
SSE	• 2	• 2	• [									.5	4.4
5	• 0	• 5	. 3	• 0						1		1.3	4.2
ssw	• 9	.9	• 5	• 1								2.5	4.9
sw	1.1	2.0	1.0	• 7								5.7	6.2
wsw	1.7	3.2	3.7	1.0	1	•0						10.4	7.1
w	2.3	2.6	2.7	1.0	.0							8.7	6.3
WNW	• ₫	.6	• 4									1.6	3.8
NW	• 2	.2	• [									•5	3.9
WNN	• 4	. 3										60	3.4
VARBL	2.1	• 9	2.9	• 9								6.3	6+5
CALM	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$		40.0	,
	19.3	19.5	15.5	5.1	.2	•0						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

6596

DATA PROCESSING PRANCH ETAC/USAF AIR MEATHUR SERVICE/MAC

### **SURFACE WINDS**

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAHSIETH AP DL	56-70,73	3-77	SEP
ROITATE	STATION NAME	<del></del>	YEARS	MORTH
		ALL NEWTHS,		0000-0200
		CLASS		HOURS (L.S.T.)
	····			
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - :6	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	.1						<del></del>			i	1.2	1.9
NNE	• >	.2						i				• 7	2.8
NE	.7											• 7	2.2
ENE	1.1	+4	• 1									1.5	3.1
Ε	2.0	•0	• 2				i				i	3.5	2.6
ESE	• 7	• 5					i _		i -		ļ	1.2	3.4
SE		•1										-1	4.0
SSE													
S	•2						1					• 2	2.0
SSW	• 4	• 6	• 4								1	1.3	4.0
sw	• →	2.1	2.0	1.5								5.8	7.9
WSW	1.8	4.0	2.7	2.0	.1		1				i	10.7	7-1
w	2.3	1.5	1.2	• 6								5.2	4.0
WNW	٤٠							1				<b>#</b> • 8	1.9
NW	•4									T	i	• 4	2.0
NNW	•1							1			i	•1	2.0
VARBL	1.3		• 5	٠٥	• 4		<del>                                     </del>		1			2.7	7.4
CALM	$\supset \subset$	> <	>>	$\times$	> <	$\supset$			$\supset <$	$\supset <$		03.7	
	14.3	19.2	7.1	4 • Z	•5							100.C	2.0

TOTAL NUMBER OF OBSERVATIONS 240

DATA PRUCESSING PRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405ა	RAMSTEIN AR OL	to-70,73-77	SEP
KOITATE	STATION NAME	YEARS	MONTH
		ALL WEATHER.	0300-0500
		CLASS	HOUES (L S.T.)
		MC.TIGKO3	

SPEED (KNT5) DIR,	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	-1					l		i		i		.1	2.0
NNE	• 1									ī ——-		1 -1	2.0
NE	.7	• 2				1	i — —	T				1 .9	3.1
ENE	•7	• 2				<u> </u>			<b> </b>	<del>                                     </del>		.9	2.6
E	3.1	1,1	• 1			<u> </u>				i		4.3	2.8
ESE	.0	•1					T	<del> </del>		i		.7	2.3
SE	•1						i	<del>                                     </del>		<del>                                     </del>		•1	1.0
SSE	•1					1		<del>                                     </del>		<del>                                     </del>		-1	1.0
S	. 3	•1	• 4		i	i	<del></del>	<del></del>	<del> </del> -	<del>                                     </del>	i	7	4.3
ssw	0.0	•6	• 2	• 4		<del>                                     </del>	<del>                                     </del>			<del>                                     </del>		1.6	5.4
sw	•8	1.0	2.5	1.1		1	i —	i		<del>                                     </del>	<b></b>	0.0	7.5
WSW	1.6	4.3	3.7	1.0		<del> </del>	<del> </del>			<del>                                     </del>	<del> </del>	10.7	6.5
w	2.2	1.5	-2	•1			<del>                                     </del>	<del></del>	<del>                                     </del>	<del>                                     </del>	·	4.2	3.9
WNW	•9	.1				<del> </del>	<del>                                     </del>		<del>                                     </del>	<del>                                     </del>	<b></b>	1.0	1.7
NW	• 2	•1				<del> </del> -	<del>                                     </del>		<del>                                     </del>	<del>                                     </del>	<del> </del>	•3	2.7
NNW						<b> </b>	<del>                                     </del>	<u> </u>	<del>                                     </del>	<del> </del>	<del> </del>	1	
VARBL	2.0	•2	1.0	•7		!	<del>                                     </del>	<del>                                     </del>	1	<del>                                     </del>	<del></del>	4.0	5.3
CALM	><	$\times$	> <				$\supset <$		$\supset <$	> <	>	54.2	
	14-1	10.2	8.3	3.2		<u> </u>						100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 880

DATA PROCESSING PRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405€	RAHSTEIN AP DL	67-70,73	SEP	
STATION	STATION NAME		YEARS	MTMON
		ALL we Tite		0600-0800
		CLUSS		HOURS (L.S.T.)
		4		
		CONDITION		

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	. 4	•2	• 1					i				• 9	3.1
NNE	• 4	i										• 4	1.0
NE	• 9	•1	• 1					Γ				1.1	2.0
ENE	1.2	• 6							i			1.8	2.
E	2.0	1.0		, <u> </u>								4.1	3.
ESE	• >	. 3										1.5	2.0
ŞE													
SSE	•2								<del> </del>			• 2	٦.;
5	•2	• 2										•4	7,70
SSW	1.1	1.0	1.1					i				3.2	<del>5</del> 7
sw	1.0	1.4	4.4	1.1	.1			l	l			5.7	7.7
WSW	1.0	2.9	<b>চ•ু</b> ত	2.3	.1				<u> </u>	1 1		11.3	8-1
w	1.7	1.9	7.1		.1	• 1						4.9	5.
WNW	•0	. 3					<u> </u>		1			•9	3.
NW	•1											•1	3.0
NNW							i						
VARBL	1.9	.2	1.2	•8	.1			,				4.2	6.
CALM			>	$\supset <$	> <	> <	$\sum$		$\supset$		> <	59.3	
· · · · · · · · · · · · · · · · · · ·	14.2	10.8	10.9	4.2	.4	•1				T	· · · · · · · ·	100.0	2•

TOTAL NUMBER OF OBSERVATIONS 900

DATA PRUCESSING RRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

2.5

• ā

WNW

NW

NNW

VAR6L CALA 2.2

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMS	TETH AR	ባ∟				60	-70,73	-77				5	EP
MOTATE			STATION	NAME					·	YEARS				NTH
						ALL WE	taTHEr.						0900	0011-0
						CI	A38						HOURS	(L.S.T.)
		_				CON	DITION	<del></del>						
	SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥55	%	MEAN WIND SPEED
	N	. 3	.3	• 1								ri i	1.0	
	NNE	1.3	1.7	•4								ļ,	3.2	4.0
	NE	1.7	1.7	•7								1	4.0	4.0
	ENE	1.9	2.4	2.7	• 1					T			/• I	5.5
	E	2.0	4.4	1.2	• 4								6.7	4.0
	ESE	• 7	• 3	• 1	• 1								1.4	3.9
	SE	•1											• !	3.0
	SSE	•21	•1	•4							j		• 5	4 • 0
	S	.0	1.0	٠Ô						T -	1		2.1	5•2
	ssw	.2	1.0	1.44	• 4								2.9	5 + 8
	sw	1.0	2.0	2.9	2.6	.1		T					9.3	8.5
	WSW	1.0	3.0	4.9	4.0	• 0					<u> </u>		15.1	8.7

TOTAL NUMBER OF OBSERVATIONS

900

5.0

4.5

3.0

5.0

6.1

14.4

100.0

DATA PRUCESSING RAHCH ETĂC/USAF AIR ⊭EATHER SERVICE/MAC

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RUNSTEIN AP PL	20-70,7	3-77	SEP	
ROITATE	STATION HAME		MONTH		
		ALL MELTHE-		1200-140	
		CLASS		HOURS (L.S.T.)	
		CONDITION			

SPEED (KNTS) DIR.	1-3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MSAN WIND SPEED
N	•7	1.2	•2				!			i		2.1	4.4
NNE	1.4	1.2	• 4						<del>                                     </del>			3.1	4 . 4
NE	• 5	2.0	1.3	• 2					<del>                                     </del>			4.7	6.0
ENE	2.0	3.0	241	• 4								7.0	5.5
Ε	1.3	1.2	1 + 5	•9					i			3.2	6.0
ESE	•0	• 5	• 4	• 3				i	<b></b>			1.4	5 • 4
SE	• 1	• 1	• 1	•1					l			•4	6.5
SSE	•7	• 4	• 3									1.4	4.0
S	1.0	1.3	• 6	+ 1			-	i				3.2	5.1
ssw	•0	1.7	2.2	• 1	• 1							4./	6.9
sw	1.4	2.6	3.0	3.4	.6			<u> </u>				11.0	9.0
wsw	1.7	2.9	5.5	4.2	• 3							14.5	8.0
w	1.1	2.3	4.1	3.0	7							11.2	9.0
WNW	•5	1.2		• 2				İ	Ī _			2.0	4.0
NW	•1	+2						L				•3	4.5
NNW	.3						<u> </u>					.3	2.0
VARBL	3.9	3.9	8.9	3.8	• 1							20.6	7.4
CALM		$\times$	$\searrow$	><	><	> <					><	5.6	
	18.0	26.3	31.5	16.9	1.5							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING RRANCH ETAC/USAF AIR FEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AP DL	50-70,73-77	<b>ን</b> ብ
STATION	STATION NAME	TEARS	MONTH
		ALL WESTHER	1500-1700
		CLASS	HOURS (L.S.T.)
			_
		CONDITION	_

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 9	.7					ĺ	<del>i</del>				1.0	3.2
NNE	1-1	4.4	•0				i			T		3.9	400
NE	1.3	3.5	1.0						<del></del>			6.7	5.
ENE	1.1	3.1	4.5						<u> </u>			7.0	5.5
ε	1.4	3.0	3.3	•7			İ	·	İ	<u> </u>		5.4	6.3
ESE	•0	• 9	• 4	• 4			<u> </u>					1.9	3.0
SE	. 7	•6	• 4						1			1.4	400
SSE	. 4	•1	1 ·					T		i -		•7	4.0
S	. /	1.1	• 4				i		<u> </u>			2.2	4.0
SSW	1.3	1.4	1.0	• 3			i			[ <del></del>		4.1	5 • 4
SW	1.4	2.4	3.2	1.5			<u> </u>					8.9	7.2
W¢W	2.1	3.8	7.0	4.4	• 4			<del>                                     </del>	<b>1</b>	<u> </u>		17.7	8 + 3
w	2.0	3.4	4.1	3.9	٠.٤							13.7	8 • 4
WNW	1 1.2	.7	•ô									2.4	4.4
NW	.2		•2									•4	4.5
NNW	.4	.3										•8	2.5
VARBL	2.2	2.6	5.5	2.2								12.6	7.0
CALM		$\supset \subset$	><	> <	$\supset \subset$	$\supset \subset$	$\supset <$	$\supset <$	$\supset \subset$	$\supset <$		5.7	
	19.2	30.1	30.9	13.6	,6			T	T	T		100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 900

DATA PRICESSING PRANCH ETAC/USAF AIR MEATHER SERVICE/ MAC

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	REMSTERN AR FL	-0-70,73	i <del>-</del> 77	3£?
STATION	STATION NAME		YEARS	WONTA
		ALL NF, THE-		1800-2000
	<del></del>	CLASS	<del></del>	HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	***************************************	MEAN WIND SPEED
N	• 0	.2					[					1 .8	3.0
NNE	1.2	•0							i –			1.5	2.8
NE	3.7	1.3	• 2				<u> </u>					5.3	3.0
ENE	3.1	2.2	• 0	5.								5.1	4.0
Ε	3.7	1.7	• 4				i ——			i		5.8	3.4
ESE	1.2	.3	• 1							<u> </u>		1.7	7.9
SE	• 5	•1											2.0
SSE	•6	٠Ž						i — —	<del></del>			.8	2.9
\$	. 4	1.3	• 1					i	·	<u> </u>		2.3	3.5
ssw	1.7	2.0	• ₫				<del>                                     </del>		<u> </u>			4.4	4.4
SW	1.9	2.3	17	.9			i			<del>                                     </del>		5.8	6.0
wsw	2.3	3.4	6.0	1.4				<u> </u>		<u> </u>		13.2	5.1
w	2.1	2.0	2.1	- 7.								7.0	5.3
WNW	1.3	•1	٠,5									1.8	3.3
NW				•1				<u> </u>	i			.1	12.0
NNW	•4							<del> </del>		<u> </u>		•2	2.0
VARBL	1.0	.4	1.0	•6	•1					<del></del>		4.2	6.3
CALM		> <	> <	><	> <	> <	$\supset \subset$				> <	37.2	
	26.3	18.9	14.0	3.4	.1	-	<del></del>		<del></del>			100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PRUCESSING PRANCH ETAC/USAF AIR VEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	REMSTERN AS OF	~o-70,73 <del>-</del> 77	5 <b>E</b> P
STATION	STATION NAME	TEARS	MONTH
		ALL WENTHER	2100-2300
		CLISS	HOURS (L.S.T.)
		CONDITION	-

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21 <u>₹</u>	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N :	• 3										_ <del></del>	•3	1.7
NNE	• ¢	• 2					I	1	<del>                                     </del>			1.01	2.0
NE	1.4	.1						i –		1		1.5	2.0
ENE	1.5	۰۵	• 1	_			i			i	!	2.6	3.4
E	2.2	•0	• 4		i	T T	i – – –		<u> </u>	ĺ		3.01	3.0
ESE	• 7				i	T	1	<del></del>				• 7	1.6
SE	• 5				<del></del> -	T		i	<u> </u>	l .		•6	2.0
SSE	• 2				Ī			T	i ———			1 .2	2.0
S	.7	.3	• 3						Γ	i		1 1 . 4	3.0
ssw	1.2	1.5	• 5	• 3	l		I -	T T				3.5	5.5
sw	•7	1.2	1.9	1.3	<u> </u>	1		<u> </u>	!	<del></del>		2.0	8.0
wsw	2.0	2.9	٥•٥	1.0					i – –			10.9	6.0
w	2.5	1.0	• 7	• [	i							3.2	4 • 4
WNW	• /	• 2	• 4						I	<u> </u>		1.2	4.()
NW	•2				i				<del></del>			.2	2.5
NNW		• 2								<del></del>		•2	5.0
VARBL	1.3	•1	•9	•7						İ		3.0	5.7
CALM	$\supset \subset$	$\geq <$	><	$\times$	$\supset \subset$	$\supset <$	$\supset \subset$		$\supset <$			59.0	
	17.7	9.9	9.3	4.1		, , , , , , , , , , , , , , , , , , ,			[ <u></u> `			100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 862

DATA PROCESSING RANCH ETAC/USAF AIR -EATHER SER/ICF/MAC

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ر ۳۰۰	Pt. Al≘Ti	٦.				50=	-70,73-	-77				٥	t P
		STATIC	MANE						TEARS				HTROS
	_				ALL ME					_			LL
					CI	A35	-					MOURS	\$ (L.S.T.)
	_				CON	DITION				<del>_</del>			
	_												
SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 4."	48 - 55	≥56	*	MEAN WIND SPEED
N	.0	.4	• 1									1.0	3.
NNE	1 .7	• 0	• 4									1.8	3.6
NE	1.4	1.2	• 5	•0					<del></del>			3.1	4.
ENE	1.0	1.0	1.1	• 1								4.4	4.
E	2.2	1.5	• 9	+2					<u> </u>		-	2.5	40
ESE	1 .5	.4	• 1	• 1					i -		1	1.5	4.1
SE	1 .2	.1	•0	•0						<u> </u>		• 4	3•
SSE		. 1	• :					<u> </u>		<u> </u>		• >	3.
S	.5	.7	• 5	• ()				T				1.5	4.
SSW	• 7	1.2	1.0	•2	•0							3.3	2+1
sw	1.1	2.0	2.3	1.7	• 1						1	7.4	7
wsw	1.5	5.5	4 • 5	4.1	•2			I				13.0	7 •
w	2.1	2.1	2.1	1-1	• 1	•0						7.0	6.0
WNW		. 4	• 2	•0								1.45	3•
NW	• 4	• 1	•0	•0				i .	Γ	1		• 3	. 3∙
NNW	100	- 1	•0				_	i —				• 4	_3•
VARBL	2.5	1.2	3.1	• 4	-1							5.3	5•
CALM		$\mathbb{X}$	><	><	><	>>	> <					1.9د	
	18,3	17.4	17.1	7.6	.5	•0		i				100,0	3.

TOTAL NUMBER OF OBSERVATIONS 7081

DATA PROCESSING PRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

RAMSTEIN AS OL

## SURFACE WINDS

TOTAL NUMBER OF OSSERVATIONS

93C

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

≎0-70,73-77

					ALL ME	"THEK							-0200
	-				Č.	128						HOUR	1 (LS.T.)
	-				C) X	DITHON							
	_												
SPEED (KNTS) DIR,	1 · 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	X X	MEAN WIND SPEED
	.3						<del></del>		<del>                                     </del>	<del> </del>	<del>                                     </del>	3	2.3
NNE	•4	• 4							<del>i</del>		<del></del> -	. 9	3.0
NE	,	1.4	• 3			i———			<del>                                     </del>	Ī T	1	2.5	4.2
ENE	1.5	1.5	• 0						i i		T	3.4	4.3
E	2.4	•0	• 5	• 1			<u> </u>			<del>                                     </del>	<del></del> -	3.4	3.0
ESE	g •01	• 2	• 4							i	ı	1.2	4.0
SE	1				·		1	<u> </u>			<del></del>	1 • 2	3.0
\$\$E	: • 4	.1					<u> </u>			i		.3	3.7
S	1 .4								T	l l	<del>                                     </del>	•4	4.0
SSW	ز. [	1.1	• 6	•4	.1						T	2.9	7.0
SW	.0	1.4	1.2	1.7			]					>•1	ರ∙4
wsw	1.2	4.3	4.5	4.5	-1							12.7	7.0
w	4.0	2.4	2.0	• >								3.9	4.9
WNW	. 5	.3										1.1	2.7
NW													
NNW	.4	. 1										1 .5	2.0
VARSL	1.0	-2	1.2	• 0						l		3.9	5.7
CALM		$\geq \leq$	$\geq \leq$	><	$\geq \leq$	$\geq \leq$						52.0	
	16.0	14.2	11.0	5.9	.2					I		100.0	2.8

DATA PROCESSING PRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

<u> 530</u>

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	₹⊿₦ऽ	TEIN AD	٦L				26.	-ز7ر70-	-77				<u>ل</u>	CT
STATION			STATICA	-7#6		51:	· r :-			fires.				-0500
		_				all me	1 21 5 %.							-U200
							138						MOE ES	(L#.T.)
		_				<b>CO</b> *	DITION .							
		_												
	SPEED (KNTS) DIR,	1-3	4-6	7 - 10	1: - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ \$6	*	MEA'I WIND SPEED
	N		.1					-			<u> </u>	1	•21	3.0
	NNE	3 •7	-11	• 1					<del></del>		<u> </u>		1.1	2.7
	NE	1.0	•15	• L								4	2.6	
	ENE	[ 1.3	1.1	• 7									3.4	4.7
	E	3.7	٠٧.	• 4				4			1		** 7	3.4
	ESE	1.0						ē				9	1.1	2.7
	SŁ	• 7		• 1.								P P STATE	1.0	2.0
	SSE	• 4	• 2	• <u>I</u>				6					• 5	•
	S		. 3	• 1								1	_ • 4 [	6.3
	SSW	- C	- 0	• 4	<b>ئ</b> . •							L L	2.0	O+1
	SW	•0!	1.4	7.2	2.2	• 1							>•€	2.5
	wsw	1.5	3.5	4.0	6.3	. 3				4			.Z.c	7.0
	w	3.01		1.0	1.5							1	5.7	<b>0.€</b> U
	MI4M												•≗	2.1
	NW	•0									<u> </u>	1	•0	leo
	NNW	• • •											•3	2.0
	VARBL	1.1	•1	1.4	فترو	• 1					<u> </u>		3.0	.6∙≎
	CALM		><	><	><	><	><						21.1	
		18.5	11.9	11.4	Ö., ģ	. 5,							100.0	2.9

USAFETAC  $\frac{\text{FORM}}{\text{JRT-S4}}$  0-8-5 (OL-A) metalous editions of this form take desolete

DATA PRICESSING PRANCH ETAC/USAF AIR =EATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405¢	RUMSTERN AR DE	,70,7)-	7 <b>7</b>	1731
STATION	STATICH MAPE		YELES	POSTS
		ALL STUTHS,		0030 <b>-</b> 0800
	<del></del>	CTIM		ncues (La.T.)
		CONDITION		

SPEED (KNTS) DIR	Called T.A. antaballed in	4-6	7 - 10	11 - 16	17 - 21	22 • 27	29 - 33	34 - 40	4:-6	48 · 55	≥56	*	MEAN WIND SPEED
N	§ .1	.1						<u> </u>	ı	Į.		•21	۷•∀
NNE	+ 2	.4							l	1		•51	2.4
NE	1 1 4	1.0	• 5							1000		2.81	3.7
ENE	1.7	1.0	1.1							1	!	4 - 2	4+4
E	3.7	1.0	• 5					The state of the s		1		5.01	3+4
ESE	1.5	-4								,		2.3	7.4
SE	1 .5								i	-		•41	2•∀
SSE	.4							-				• 4	1.0
S	į •∠							i	<u> </u>		<u> </u>	•5	5.3
SS₩	.0			• 5					<u> </u>	ALL PARTY OF THE P	ì	1.0	5.0
SW	<u> </u>		1.7	1.5				ł	<u> </u>		<u> </u>	5.5	7 • 1
WSW	1.5	3.1	4 . /	6.4	.0				<u> </u>			15./1	7.7
w	3.0	2.5	1,3	1.0				<u></u>			<u> </u>	7.5	6.0
WNW	1 15	• 2	• 3				<u></u>		<u> </u>	<u></u>		1.5	3.9
NW	.4						<u> </u>		<u></u>			-41	1.2
NNW	• 3						<u> </u>	<u> </u>	<u> </u>	L		.31	1/
VARSL	1.9	•2	1.5	•>							<u></u>	4.2	5.6
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$					$\geq \leq$	43.7	
	21.2	13.4	12.0	<b>0.3</b>	8			- Marie Marie		- The state of the		100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0,5-5 (OL-A) PREVIOUS ENTINES OF DICS FORM ARE DISSOLUTE

DATA PRUCISSING THE CH ETAC/USAF AIR FEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	PLMSTEIN AR OL	35-70,73 <b>-77</b>	JCT
STATION	\$717;CA mint	7GB	BORTIE
		ALL sellet.	5900 <u>-</u> 1100
		CYM	90045 (E 9.7.)
		CONDITION	

SPEED (KNTS) DIR	1-3	4.5	7 - 10	11 - 16	17 - 21	22 - 27	3.3	34 - 40	41-0	45 - 55	≥56	Basinatanir vofitati	MEAN CAIW CAIW CAIRS
N	•4						i	1	Ī	1		.4	1.0
NNE	1.3	• 4					1	Γ		<u> </u>		1.5	1.9
NE	1.6	1.7	•0					Ī	1			4 . 4	4.2
ENE	2.5	2.2	1.0				:	!	Ī	1		0.3	9.0
Ε	3.3	2.4	1.4	• 2			i -		Ī	1		7.5	4.4
ESE	1.1	-1	• 1				1		<del></del>	i		1.3	2.7
SE	• 1	.1					i	l	Ī	1		) ·Z	é•n
SSE	• 2		• 4						l	i		1 .0	4.3
\$	•21	.4	- 1					i	Ī -	Į		1 0	4./
SSW	+3	د.	• 5	6			1			i		1.5	7.6
SW	• 9	2.0	3.4	1.7	•Z		<u>i                                    </u>	Ī	1	<u> </u>		5.6	8.1
wsw	1.5	2.9	0.0	4.3	• 3		]	i				15.2	5.0
w	2.0	3.9	3.0	2.4	.2	•2	i –		1	<del></del>		13.0	7.2
WNW	1.5	-4	•1	•1			 	l	İ	<del> </del> -		2.5	3.2
17W	• • •	.3						1	i	Į	· · · · · · ·	9	3.0
NNW"	.3	. 1					Ì	i	1	<u> </u>		.4	2.5
VARSL	3.1	.4	3.4	1.4	.1	<u> </u>		Ī	1		<del></del> -	3.5	6.7
CALM	$\supset <$	> <	$\supset \subset$	$\geq \leq$	>				$\geq$			25.9	
	22.8	18.3	21.4	10.5	.9	-2						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 930

LISAFETAC THE GS-5 (DL-A) MILYOUS IDITIONS OF THIS FORM AND OBSCIEN

DATA PROCESSING PRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RUNSTEIN AF DE	55-70,73-77	nc t
STATION	STATION HAME	YEARS	MONTH
		ALL WENTHER	1200-1400
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.4	• 4								i –		1.4	2.1
NNE	1.1	1.6	• 4					l	i -		 	3.0	3.9
NE	2.0	2.8	• >					l ——		<del>                                     </del>		5.4	4.2
ENE	6.3	1.0	2.0	• 4						<del>                                     </del>		5.3	2.0
E	1.7	1.4	2.2	• (1				1		<del> </del>		7.9	0.0
ESE	• 4	• 2	• 2							T		•9	4.3
SE		• 1								T			4.0
SSE	• 4	•2	• 1							T		3.	4.1
5	• 5	•0	• >									1.7	5.4
ssw	1.0	1.0	100	• 1								3.9	5.4
s₩	1.2	1.5	3.1	2.7					i			8.5	8.3
WSW	1.1	2.3	7.4	2.2	• 7	• 2						17.0	9.0
W	2.4	4.6	5+3	2.5	.5	• 1						15.4	7.7
WNW	1.4	1.5	• Ó									3.5	4 • 4
NW	•4	د										• 8	3.0
NNW	.4					~, -^						• 4	2.0
VARBL	4.7	2.3	4.3	1.8	• 5							13.7	6.4
CAIM		> <	$\searrow$	><	><	$\mathbb{X}$						11.4	
	22.3	23.1	27.6	13.3	1.9	. 3						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

930

DATA PRICESSING ARAKCH ETAC/USAF AIR PEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	PUMSTERN IN DE	50-70,73-77	JC T
STATION	STATION NAME	YEARS	MONTH
		ALL MENTHES	1500-1700
		CLASS	HOURS (L.S T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.9	• 4										1.3	2.6
NNE	1.0	1.4	• 1					T	l — —	i		3.1	3.5
NE	2.3	4.4	1.3					T	†———			8.0	4.0
ENE	1.5	3.7	1.5	•2						İ		7.2	5.2
E	.9	3.0	1.5	• 1								5.8	5.7
ĒSE	• 1		• 2						<u> </u>			• 3	7.3
SE	• 🗦	• 2										•5	3.0
SSE	•0	. 5	• 4									1.6	4.5
S	.0	.9	• 5	• 1								1.9	5.4
ssw	1.3	1.0	1.1	• 1	.1							3.5	5.5
sw	1.6	2.0	3.9	1.5	.1	• 1						10.0	7.4
wsw	2.5	5.1	8.0	2.5	• 2							18.5	7.5
w	اد و در	3.8	4.7	2.0	٠.۷	• 1						14.7	7,2
WNW	1.0	• 4		•2						Ī		1.6	4.4
NW	. 3	• i										• 4	2.0
NNW	• 5	• 1										•6	2.5
VARBL	2.3	1.3	4.0	• 6								8.2	6.2
CALM	$\times$	$\times$	$\mathcal{N}$	$\times$	$\times$	>>	$\times$				><	12.6	
	21.9	29.0	27.3	8.3	.6	•2			1	1		100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING RRANCH ETACYUSAF AIR REATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AR DL	ტდ−70,73	-77	JCT
HOITATE	STATION NAME		MONTH	
		ALL WEATHER		1800-2000
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 • 55	≥56	*	MEAN WIND SPEED
N	• 2	.4					:	i				•6	4.0
NNE	• 7	.3										1.2	2.9
NE	3.0	1.8	• 1									4.9	3.2
ENE	2.9	1.7	• 3	• 1			i					5.1	3.0
E	2.3	1.9	• 2							<b> </b>		4.7	3.7
ESE	1.4	• 4										1.8	25
SE	٠.5							1	T			• 3	1.0
SSE	• 4	•2										•5	3.0
\$	1.1	• 2	• 3									1.6	3.5
ssw	- 9	•9	• 2	• 6								2.9	6.0
sw	1.2	1.6	1.0	1.00								5.0	7.1
wsw	2.5	4.8	4+2	1 + 1								12.9	6.4
W	3.4	3.5	2.0	1.5	_ +1							11.2	5.0
WNW	1.2	• 1										1.3	1.0
NW	• 4									1		• 4	2.0
NNW	• 1									T		•1	3.0
VARBL	1.8	• 1	•9	• 4		-1				1		3.3	5.3
CALM		$\geq$									> <	40.9	
	24.0	18.4	11.5	5.1	.1	• 1						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING ARARCH ETAC/USAF AIR \*EATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AP OL	56-70,73	-77	GCT	
STATION	SHAM HOITATE	<del></del>	YEARS	HONTH	
		ALL WEATHER		2100-230	
	•	CLASS		HOURS (L.S.T.)	
		CONDITION			

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22	28 - 33	34 - 40	41 - 47	48 - 55	≥56	***************************************	MEAN WIND SPEED
N	• 0									<u> </u>		8.	1.7
NNE ;	•4	•2								<del>                                     </del>		.61	2.5
NE	1.4	1.5	• 3						i			3.2	4.0
ENE	L·C	1.9	• 5									4.3	4.0
E	1.0	•6	• 4		-				<u> </u>			2.7	3.4
ESE	.8	.1										•9	2.1
SE									†	<u> </u>		#	
SSE	•4	• 1	• 1							<del>                                     </del>		3.	3.3
S	• 4	• 6	• 1					i	<del></del>			1.3	4.3
ssw	- 2	1.3	1.0	• 4				<b> </b>		<del>                                     </del>		3.2	5.1
sw	1.3	1.2	1.3	• 9	.3							4.9	7.7
wsw	1.4	2.8	5.5	1.7	5.			<del>                                     </del>	<del>                                     </del>			11.6	7.5
w	4.0	Z+0	1.7	• 9	-				<del></del>	<del>                                     </del>		9.5	4.9
WNW	1.4	٠.۷		1,	-			i	l	<u> </u>		1.6	2.4
NW	• 4									<b> </b>		• 2	2.0
NNW	•1								<del>                                     </del>	<u> </u>		•1	3.0
VARBL	1.5	• 3	• 6	• 4								3.3	4.0
CALM		$\leq$	$\times$	$\times$	> <	$\geq \leq$	$\boxtimes$		$\boxtimes$		>	51.1	
	19.2	13.1	11.7	4.3	.5			l				100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING PRANCH ETÁC/USAF AIR WEATHER SERVICE/MAC

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AP OL	56-70,73-	77	J C T
STATION	STATION NAME		YEARS	HORTH
		ALL REATHER		ALL
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	• 2								!		• 7	2.4
NNE	. 9	•0	• 🗸									1.5	3.1
NE	1.6	2.0	• >									4.6	4.1
ENE	2.0	1.9	1.1	• 1								2.1	4.0
E	2.0	1.6	• 7	•1								241	4.4
ESE	• ٧	• 2	- i									1.2	3.0
SE	• 3	• 1	• 0									• 3	- 2.1
SSE	-4	•2	• 1									• /	3.0
5	• 4	.4	• 4					<u> </u>				1.1	4.8
SSW	• /	. 9	• /	ۇ. •	.0							2.1	5.3
sw	1.1	1.0	4.4	1 + /	• 1							6.9	7.9
WSW	1./	3.0	5+1	2.0	• 3	•0						14.2	7.9
W	3.4	3.2	3.0	1.7	• 1	٠ ١						11.4	5.4
WNW	1.1	. 4	• 1	• Ø						1		1.7	3.4
NW	• 4	-1							L				2.3
NNW	• 3	•0								<u> </u>		- 4	2.3
VARBL	2.3	• 6	2.4	• &	• 1	•0			l			6.0	6.1
CALM	$\geq \leq$	$\times$	$\mathbb{X}$	$\times$	>>	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\boxtimes$	$\geq \leq$	36.3	
	20.7	17.7	16.9	7.5	.7	- 1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

7440

DATA PROCESSING RRANCH ETACYUSAF AIR WEATHER SERVICEYMAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AR OL	- 73 ر 70- ن	-77	AUA
STATION	STATION NAME		TIARS	MONTH
		ALL WEATHER		მმემტ0200
		CLASS		POURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	-3	.1						<u> </u>		i		•4	2.8
NNE	• 4	• 1										.6	2.2
NE	1.0	1.1	• 2							l T		2.3	4.0
ÈNE	2.0	1.5	1.0	• 5						1		5,4	4 • 8
E	2.2	1.8	•2	• 1					1	i		4 • 4	3.9
ESE	.8	• 3								1		1.1	301
SE	• 3	• 2						i				•6	3.0
SSE	• 3							<u> </u>				•3	1.0
S	• L		• 7	• [					Ī	I		•9	8.0
SSW	. 3	•9	2.5	• 9	• 1				T T	Ī		4.6	8.4
SW	.0	1.2	2.2	<b>ૐ•</b> સું	• 0	1				<del>                                     </del>		7.7	10.4
WSW	1.0	3.9	0.4	5.9	1.5	+2		T	<u> </u>	1		19.5	9.0
w	2.0	2.9	2.0	4.0	•2		• 5					10.9	5.3
WNW	• 5	.2				-				<b> </b>		1.0	2.0
NW	. 0	•4						T .	T -	T .		1.0	3.4
NNW	•4							<u> </u>	<del>                                     </del>			•4	2.0
YARBL	2.1	• 2	1.8	1.0	• 4	.3	•1	T		i		5.0	8 • 4
CALA;		$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq$	$\geq \leq$			$\boxtimes$	$\geq \leq$	32.9	
	16.0	15.Ò	17.7	14.0	2.8	7	. 6					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 894

DATA PRUCESSING PRANCH ETÁC/USAF AIR YEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AR DL	>6-70,73-77	NOV
STATION	STATION NAME	YEARS	MONTH
		ALL WEITHER	0300-0500
	<del></del>	CLISS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N ‡	.0											• 5	[.6
NNE ;	• /	.1								!		• 8	1.9
NE	1.0	• !	• 0						<u> </u>			2.2	4.
ENE	1.5	1.2	1.7									4.9	5.0
E	4.1	• 4	• 6"	•1								3.7	3.0
ESE	•41	+4								i		.7	2.5
SE	• 3	.3										•7	3,3
SSE	+4	•1							<u> </u>	i		• 3	3.3
S I	• 1	•2	• 4	• 2					<u> </u>			1.0	8.1
ssw	• 3	1.0	1.07	• 3	• 1			<u> </u>				3.5	7.5
sw	1.1	1.9	3.1	3.2	• 4	د.				<u> </u>		10.2	9.0
wsw	4.0	2.5	4.>	5.9	1.2	• 2			i — -	<u> </u>		15.4	10-1
w	2.7	3.1	3.2	2.9	• 5	•1	• 1		<u> </u>			13.0	8 • 1
WNW	• 4	•1	• 2	•1					<del>                                     </del>			1.2	3.0
NW	• 2	•2										•4	3.5
WW		•1										• I	4.0
VARBL	2.0	• 7	2.1	• 8	• 3							0.5	6.0
CALM	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	>>	$\geq \leq$	$\geq$	$\geq$	$\boxtimes$	$\boxtimes$	> <	33.9	
	17.0	13.7	18.3	13.6	2.7	•7	•1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 895

DATA PRUCESSING PRANCH ETAC/USAF AIR HEATHER SERVICE/PAC

34050

RAMSTEIN AR DE

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

NŪ√

594

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

~5-70,73-77

STATION	-		STATION	MAME						YEARS				SONTH.
						ALL NE	"THF.,						0500	0060-0
		_		***		CL	LISS						HOURS	S (L.S.T.)
						CON	DITION							
		_	<del></del>											
	SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 • 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	A Medical of the state of the s	MEAN WIND SPEED
	N	• 7		i						<u> </u>			• /	
	NNE	1 -4	• 2						i	<del>                                     </del>			• 7	
	NE	1.0	1.0	φÖ									3.9	i - 1
	ENE	1.2	1.5	1.7	• 5								5.0	5.6
	E	1.7	٠.	• 0 ;									3.0	4.0
	ESE	.5	.4										1.0	2.0
	SE	1 .1		• 1						T			•2	5.5
	\$SE	• 4	• 1							T			• 3	3.7
	S	• 3	. 3	• 1	• 1								. 9	4.0
	SSW	• 3	• ?	• 7	1.0	•4							3.6	8.2
	SW	1.0	1.3	Z•8	3.7	•9	•2						10.0	10.4
	wsw	1.7	3.4	7.4	5.5	1.2							19.1	9.5
	W	2.9	3.7	L . 1	2.2	• 3	• 4						12.5	7.7
	WNW	.7	•3,	•1	• 1								1.2	4.4
	NW	.21	•Z										.4	3.0
	NNW	. 1	.1										•2	3.0
	VARBL	1.3	.7	4.5	•9	2				T			6.0	7.3
	CALM		><		><		$\supset \subset$						21.1	
		16.2	15.2	20.0	13.0	2.9	7			Ţ			100.0	5.3

DATA PROCESSING PRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

WSW

WNW

NW

VARBL

CALW

1.9

3.7

• 4

•1

1.1

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405≎	۶۰.45	Teta 4º	Դլ				26 <b>-</b>	و7ر70.	-77				Ň	104
STATION			STATION	MAN E		ALL W	 STHE.			YEARS				)-1100
						c	LASS						nou k	(LS.T.)
		_				COX	DITTOR			<del> </del>	<del></del>			
	<del></del>	<del></del>									<del></del>		· · · · · · · · · · · · · · · · · · ·	
	SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	***************************************	ME/AN WIND SPEED
	N	1.3	.11						l	l			1.1	2.2
	NN2	g • 7 ;	• 4						!	i	<del>                                     </del>		1.1	2.0
	NE	1.2	1.2	• 5							T		2.9	4.0
	ENE	1.5	3.4	2.4	• 4								7.9	5.0
	E	2.03	1.3	• 0	• 3					Ī			4.5	4+4
	ESE	1 1.0	•2						<u> </u>		T		1.2	2.5
	SE	• 4	-1								Ī		•3	3.0
	SSE		• Ž :								!		•3	3.0
	S	1 1	.3	•1	•1				!	Ī			1.0	5.0
	SSW	<sub>-</sub> ,	.9	2.2	1.4	• 2				Ī			5.2	9.3
	614		2.01	5.01	3.4	1.0	. 1		<del></del>	T			12.8	10.1

• 0

TOTAL NUMBER OF OBSERVATIONS 898

4.0

5.0 1.0

7.0

6.3

•1

10.0

100.0

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5.0

3.6

• £

23.2

1.0

16.3

DATA PROCESSING BRANCH ETAC/USAF AIR FEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTERN AS DE	~o-70,73	-77	VU√
STATION	STATION MAME	<del></del>	YEARS	NINDE
		ALL REATHER		1200-1400
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (XNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	•1	• 3							1		1.2	3.9
NNE	1.9	• 7	• 1									2.7	2.5
NE	1.2	2.7	• 9	• ]								4.9	5.2
ENE	1.0	2.3	1.0	• 3						!		5.8	5.4
E	• 4	1.0	1.1	• 0	• L							4.2	5.5
ESE	• • •	ۇ .										• 4	4.5
SE	• i	-1	• 3									• 5	6.0
SSE	• 1	• 2						<u></u>	<u> </u>			- 3	4.3
\$	.4	• 0	• 4	• 1								1.0	5.5
ssw	•0	• T	1.4	1.5	ر ج				<u> </u>			4.0	9.1
SW_	٧.	4.0	3.7	4.2	1.1	• 1						12.6	10.1
wsw	1.4	2.5	104	₫•₩	1.8	• 2	•1					21.0	10.0
W_	1.5	2.0	0.0	4 + 1	.0	.2						15.3	9.1
WNW	. /	• 4										1.3	3.0
NW	• 1	•2										• 3	3.7
NNW	•1	•2	• 4									•4	4.0
VARBL	4.0	1.2	4.2	2.2	•0							12.7	7.1
CALM	$\times$	$\ge $	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\boxtimes$	$\boxtimes$		9.8	
	17.0	18.8	28,2	21.1	4.5		• 1					100.0	γ.5

TOTAL NUMBER OF OBSERVATIONS 895

DATA PROCESSING SKARCH ETAC/USAF AIR MEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405ი	PANSTETY AP OL	73 و 70 - ن	<del>-</del> 77	vCn
STATION	STATION MANE		TEARS	MTRCE
		ALL WE THE		1500-1700
		CLASE		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	i7 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	24 (CORPA, J. 12 a	MEAN WIND SPEED
N :	1.1	.3							i	i		1.5	3.1
NNE	1.0	• 7	• 1				:		1			1.5	3.7
NE .	2.7	4.5	• 0	-				l l	i			6.3	4.0
ENE :	2+7	2.8	1.6	• 4				i		İ		7.7	2.3
E	1.0	1.0	1+1	• 14				<del>i</del>	1	i		4.9	5.7
ESE	.7;	.5	• 2		,				I	i		1.2	4.3
SE		•1						<del></del>	i			.4	2+2
SSE	• 1	• 4						<del></del> -	<del></del>	<u> </u>		1 -3	3.7
5 ;	•7	• 6	• 8						i -			2.0	5.1
SSW	1.1	. 5	• 7	• 7	•1			1	<u> </u>	<u> </u>		3.8	7.4
sw	1.1	2.0	4.3	4.3	• 4	•1	<u> </u>	1	i — —	I		12.0	9.4
wsw	1.3	3.1	1.5	5.9	• ೮	• 2		l				19.3	9.5
w	2.1	4.9	4.7	4.2	. 6			i	<u> </u>	1		14.7	8.5
WNW	• 5	•0					<del>                                     </del>	<u> </u>	Ī			1.3	3.3
NW	. 3	.1					<u> </u>	<del>                                     </del>	t			.4	3.0
NNW	•2	.1						<del>                                     </del>	<del>                                     </del>			.3	3.3
YARBL	3.3	1.0	3.0	1.3	•0	•1		T	<u> </u>	i		9.5	7.2
CALM		> <	> <		><	> <			$\supset <$		> <	15.0	
	21.4	20.9	25.0	17.5	2.7	.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

891

DATA PROCESSING TRANCH ETAC/USAF AIR LEATHER SERVICE/MAC

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTERN AT PL	33-70,73	-7 <sup>7</sup>	₹67
STATION	STATION RANG		YEARS	BORTH
		ALL F ITHE.		1800-2000
	<u> </u>	cuss		HOURS (LS.T.)
		coapit;es		

SPEED (KNTS) DIR.	T. 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2							Ī	1			1.2	1.0
NNE	1 1 1	• 4						Ī				1.6	2.0
NE	1.2	1.0	• 4					T				3.21	3.0
ENE	3.0	2.0	• 4	• 4				<u> </u>				0.0	4.0
E	1.0	1.3	• 3	• 4				T				3.7	4.7
₽SE	• • • •	•1	• 1.					<u> </u>		1			3.3
SE	. 4	• 2						T	T			.71	2.7
SSE	1		٠ ٥	• 1				Ī	<u> </u>			7	7.0
5	1.2	- 2	و.					Į .	I			1.5	3.0
SSW		• 5	1.0	<b>ف</b> •					1			2.91	5+2
SW	1.1	1.9	1.4	Z•9	. 4	+4		i	1			7.0	9.5
wsw	1.0	3.0	7.3	5.5	1.5	•1		T	1			17.6	7.9
w	2.0	9.4	Z•0	1.3	• 3			i				11.1	6 • 4
WNW	1.3	. 2		• 1	•1			T				1.0	3.7
NW		•2	• 2					T	-			• 6	4.0
NNW	1 • 1	. 3										• 4	4.3
VARBL	2.7	• 0	Z+2	2.7	• 4	٠.۵		T		1		0.2	£ • 1
CAUM		><	$\supset \subset$	><	><	$\supset <$	$\geq$				><	25.5	
	22.0	17.9	16.1	13.6	2.8	7		<u> </u>				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 894

DATA PROCESSING PRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	R-MSTEIM AP TE	-5-70-7.	3-77	<b>~</b> 0√
STATION	JEAN WOLFATE		YELDS	SCST#
		all at The		\$169-5305
		CLASS .		BOURS (L.S.T.)
		CONDITION		
	<del> </del>			

SPEED (KNTS) Dik.	1-3	4-6	7.10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - +7	48 - 55	≥\$6	*	MEAN WIND SPEED
N ;	./	• 5								·		1.1	Z+
NNE :	1.0	.0										1.6	4.
NE	1.5	٠Ğ	• 1									7.2	3.
ENE	2.3	2.0	• ‡									7.3	4.0
Ε	Z.V	1.2	• 5	. 4					1			7.5	>•
ESE	•0	• 1										• 7	۲٠.
SE	•4								!			• 4	2.
SSE	• 6	٠.٥						i				•9	3.
5	• 9	.3		• 1					1			1.7	5.
ssw	•0	.9	• 0	1.3	.4							3.5	O • •
sw	• 7	1.3	1.9	2.3	.4	•1	!	1		T		0.0	7.
wsw	2.2	3.7	2.7	5.4	1.3		• 3	i T				13.9	7.
w	2.1	3.1	3.1	4.9	1.0	•1						12.1	75 e
WN-	1.3	-4										1.5	Z٠
NW	.3		• 4					7				•6	4.
NNW	+3	-1										•3	2.
VARBL	2.5	-2	9	1.7	•2	• 3	<del></del> -					7.0	ۥ
CALM		$\supset \subset$	$\supset \subset$	$\supset \subset$	> <	><	$\supset <$	$\supset \subset$		> <	$\supset <$	30.0	
	19.3	15.6	16.0	13.6	3.2	٠٥	•3	T		<del></del>		100.0	5•

TC-TAL NUMBER OF OBSERVATIONS 895

USAFETAC GAS G-8-3 (OL-A) PREVIOUS EDITIONS OF THES FORGE AND ORSOLATE

DATA PRICESSING RRANCH ETAC/USAF AIR REALHER SERVICE/MAF

R-MSTetn At 12

34050

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

-5-77,73-77

					mil F	27.65						Ą	LL
	-				ć.	A16				<del></del>		80+85	(L1.T.)
				<del></del>	5243	тю	<del></del>		<del></del>				
SPEED (KNTS)	1-3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	An or the section of	MEAN CONW
DIR.	:		!				į.		1	1		1	SPEED
N į	• č i	• 1										1.0	2.0
NNE .	• 3	• • •	• 17						[			10.0	7.5
NE E	5											3.3	4.4
ENE 2	2.4		1.4	• 5					l			0.1	5.0
E i	1 3	1.2			•9				<u>.                                      </u>			4.1	4.5
ESE 🖁		- 3							1	1		•91	3.1
\$\$ M	اِ د .	• 1	• 1				_		1			• > ;	3.7
\$\$£	• 4	• 2		•0					1			i	4.1
5	• > !	ز د .	•>	+1					1	1		1.4	3.0
_ \$\$\rightarrow \big	- 0		1.3	1.40								3.9	د و خ
5W	• 7	h	100	3.5	• 7	• 5						10.0	7.7
wsw	1.7	2.3	0.3	0.7		• 2	• 1					12.5	5.9
w §	Z+3	1.5	241	4.0	.5	-1	• i					12.0	5.0
WNW	. 3	• 4	•1	• 0	.0							1.3	3+2
NW	ا د ۰	•2]	•1									• 5	3.7
WW.	•2	- 1	•0						1			• • • • • •	3.2
VARSL I	Z.9	.71	2.0	1.2	• 4	• 2	•0					8.3	7.>
CALM	><	><	><	><	><	><	><	><	$\supset <$		><	44.0	
	18.5	10.9	20.0	15.5	3.1	.7	•1					100.6	5.8

TOTAL NUMBER OF OBSERVATIONS

7156

USAFETAC  $\frac{ROSM}{RC.64}$  0-8-5 (OL-A) previous Editions of thes form are describe

DATA PROCESSING PRANCH ETÂC/US:F AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AP OL	-6-70,73-	77	θEŞ
STATION	STATION NAME		YEARS	MONTH
	•	ALL WE THE		00050-0500
		CLASS		HOURS (L S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
М	• 2.							T				+2	1.0
NNE	• 4	• 2						<del>                                     </del>				•4	3.0
NE	1.2	1.7	• 5	• 1				1				3.5	4.7
ENE	1.3	3.3	4.5	•1				<u> </u>	T			7.2	5.0
E	1.7	1.9	1.4									5.3	4.0
ESE	• 8	.4	• 6.							i ;		1.4	3.0
SE	• 2							1				•2	2.5
SSE		• 1	• 1						1		· ·	•2	7,0
5		• 2	• 4						1	<u>                                     </u>		•4	5.5
ssw	• 3	•6	• 0	•1	• 1		i i		1	1		1.9	6.7
sw	• 4	1.9	2.5	2.5	• 9	• į		i -	<del>                                     </del>			8.3	10.1
WSW	1.8	3.1	0.4	5.4	•2	• 7		1	<del>                                     </del>			17.0	8.9
w	2.0	3.3	3.3	4.9	• 5							12.0	7.0
WNW	• 6	•1	• 3				:					1.1	3.9
NW	.3					) — · · · · · ·			T			• 3	2.7
МИМ		• 1					<u> </u>					.1	5.0
VARBL	2.2	1.1	•6	1+1)	• 4	l ——	<del></del>		1			5.3	6.7
CALM		$\supset <$	> <				$\triangleright$			><	> <	34.4	
	14.1	18.3	18.7	12.1	2.0	3		T		3		100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 929

USAFETAC  $_{\rm JUL~64}^{\rm FORM}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PRANCH ETAC/USAF AIR - LATHER SERVICE/"AC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RIPSTETH 4" PE		55-70,73-77			₽F.C
STATION	SMAN HOITATE			YEARS		MONTH
		ALL XF.T	He"			0300-0500
		CLASS		<u> </u>		HOURS (L.S.T.)
		CONDITION				
					•	
		<del></del>	· · · · · · · · · · · · · · · · · · ·			<del></del>

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 4	• 4					<del></del>					•6	2.8
NNE	.0	• 1		-			i			<u> </u>	T	9	2.00
NE	1.1	1.5	• 7	• [								3.3	5.4
ENE	1.4	3.1	1.9	• 4								0.0	5.0
E	2.7	1.6	1.0				i	Γ		1	<u> </u>	5.7	4.2
ESE	•4	• 5	• 1				<del> </del>	1				1.1	3.7
SE	• 3	•1						<del>                                     </del>				• 4	2.6
SSE	.1						i		1			1 -1	2.0
S	•3	.3	• 5					T				1.2	4.6
ssw	2	.9	• 6	• 1				T		T -	T	2.2	5.9
sw	• 2	1.1	2.0	2.9	1.0		i	i				7.6	10.8
wsw	1.4	3.3	6.1	4.6	.5	.3					<b> </b>	16.4	9.1
w	2.2	2.5	4.0	2.9	•2	•1		<b> </b>		1		11.9	8.0
Wh#	1.0	.8	•1									1.8	3.3
NW	•1	•1							T			• 2	3.0
NNW		•1									<u> </u>	•1	4.0
VARBL	2.2	• 8	1.3	• 9	•5						T	5.8	7.3
CALM		$\ge$	$\times$		$\ge$	$\geq$		$\geq$	$\geq$	$\boxtimes$		53.7	
	15.6	17.1	18.8	11.9	2.4	• 4						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 929

USAFETAC  $_{
m JUL~64}^{
m FORM}$  0-8-5 (OL-A) previous editions of this form are obsolete

DATA PROCESSING PRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AD DL	50-70,73-77	JEC
STATION	STATION NAME	YEARS	NONTH
		ALL REATHER	0600-0800
		cus	HOURS (L.S.T.)
	-	CONDITION	

SPEED (KNTS) DIR	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	***	MEAN WIND SPEED
N	.5	•1					!	<u> </u>	1			9	2.3
NNE :	•0	•1	•1				l	T	<del>                                     </del>			1.0	2.9
NE	• 0	1.1	• 0						<del></del>	i		2.5	5.0
ENE	2.5	3.3	1.0	• 5				<del>                                     </del>				: 8.0	5.1
Ε	2.7	3.4	1.0	•1					<b> </b>			7.2	4.3
ESE	-3	•1						<del>                                     </del>				.4	2.8
SE	•2						<del></del> -	i				•2	2.0
SSE	• 3											• 3	1.7
s	i	•4	• 2				i	<u> </u>	<del>                                     </del>			•6	5.0
SSW		1.0	• 3	• 2					i	<del>                                     </del>		1.5	6.6
sw	• 5	1.4	2.9	3.0	•٤	• 1		T				8.6	10.3
wsw	1.5	3.7	0+7	4.0	.0						-	17.1	9.0
w	3.3	3.5	3.2	2.8	• 5		l			<b> </b>		13.4	7.2
WNW	•6	•1	• 1				i –					.9	3.3
NW	•2	• 1						<del></del>				.3	3.0
WWW	• ?	•1								<del></del>		• 3	2.7
VARBL	1.8	•6	1.0	1.1	• 0							2.2	8.1
CALM		> <	$\times$	> <	><	>	$\supset$		$\supset \subseteq$			31.5	
	10.6	19.1	18.1	12.≥	2.5	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM (-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

77

QATA PROCESSING BRANCH ETAC/USAF AIR SEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AS SE	·0-70,73-	77	nec
STATION	SHAR HOITATS		YEARS	MONTH
	•	ALL WELTHER		<b>0900-110</b> 0
		CLASS	<del></del>	HOURS (L.S T.)
		CONDITION	·	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N I		.2						i		i		.9	2.6
NNE	•4	.0							i -	1		1.1	3.0
NE	1.3	1.4	1.0									3.7	4.0
ENE	•9	2.5	2.2	• 6					Γ	!		5.5	6.3
Ε	3.1	4.9	1.0	• 4						i T		7.8	4.8
ESE	.91	.3	• I							i		1.3	3.2
SE		• 3	+ i									•5	5.4
SSE	• Ł									<del> </del>		•1	2.0
\$	• 2		• 1									• 3	4.7
ssw	• 5	.5	• 4	• 1						i –	Γ	1.6	5.5
sw	1.0	2.6	3.4	2.8	1.1	+ 1				1		10.8	9.0
wsw	2.5	4.5	0.1	2 • 1	• 2							18.6	<b>8.4</b>
W	2.5	3.7	4+0	3.0	.2	• 1						14.2	7.0
WNW	• 4	.3							T			• 5	3.5
NW	•2	• 1										• 3	2.7
NNW	• 2	• 1							T			• 3	2.7
VARBL	1.9	1.4	2.2	1.2	.3	-1						7.1	7.5
CAIM	$\supset \subset$	$\geq \leq$	$\times$	$\times$	$\times$	> <	$\boxtimes$	$\boxtimes$				24.2	
	16.9	21.8	21.0	13.0	2.2	. 3						100.0	5.5

TOTAL NUMBER C.F OBSERVATIONS

930

USAFETAC  $\frac{\text{FORM}}{\text{AR}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

DATA PROCESSING ARANCH ETAC/USAF AIR WEATHER SERVICE/MAC

• 3

2.5

• 5

\$\$W

5W

wsw

WNW

NY/

NNW

VARBL CALM

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3405C	2,5%5	12]11 24	۳., ۲				ŕδ.	-70,73.	-77				J	ŧ[
STATION			STATION	MANE		ALL %	TaTels .		,	ties			1200	-140
							LASS		<del></del>		<del></del> -			(L.S.T.)
			CONDITION											
		-		<del></del>			<del></del>				<del></del>			
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	• 3	.9	•1			i	-	İ			į.	1.3	4
	NNE	1.0	1.4	Ī			<u> </u>		<del>                                     </del>	<del></del>		4	2.2	3 (
	NE !	1.0	2.9	1.2	•1		Γ						5.0	5
	ENE :	1.4	4.1	3.0	•1							1	8.6	5 (
										*				
	E	1.4	2.7	2.0	•0				1	İ			5.0	9.
	<del></del>	1.4	2.7	2.U	•0							- Indian	•4	5.
	E	1.4			•0					_		India.	:	

. 0

100.0 6.5

TOTAL NUMBER OF OBSERVATIONS

930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS JUITIONS OF THIS FORM ARE OBSOLETE

4.5

6.5

2.1

3.9

2.6

4.5

DATA PRUCESSING REACH ETAC/USAF AIR ZEATHER SERVICE/VAC

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAMSTEIN AR PL	55-70,73	3-77	JΕC
MOSTATE	STATION NAME		TEARS	MONTH
		ALL RESTHE		1500-1700
		CLASS		HOURS (L.S.T.)
		CONDITION	<del></del>	

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N .	L.Vi	.5						i		<del>                                     </del>		1.5	3.0
NNE	1.1	• 5					i — —	T -		i —		1.8	3.4
NE -	1.5	3.4	1.5				i			<del>                                     </del>		6.0	5.0
ENE	1.7	2.6	4.0	• 4			i -	i		i		10.5	5.0
Ε	1.3	3.1	1.5	•1					i	i		5.3	5.5
ESE :	.5	.1					i i	i	i			1 .0	2.0
SE .		•1					<u> </u>	i — —	<del>                                     </del>	i		1 .1	4.0
SSE							<u> </u>					ij .	
5	.3	•1	• 5					i — —				9.	5.4
ssw	1.1	. 3	د .	• 3			<del>                                     </del>	i		i		2.0	5.3
SW	• €	4.4	3.1	2.0	.9		<del>                                     </del>	<del> </del> -	<del></del>			9.9	7.
wsw	1.7	4.5	7.5	4.4	.4				l	i		18.9	8.0
w	2.7	2.9	5.7	2.3	. 6			<u> </u>	l ——			14.5	7.5
WNW	• 4		• 2	•1						<del> </del>		.9	5 • 3
NW	•2	. 3						<b></b>	<del> </del>			.5	4.0
NNW	•1	• Z						<del>                                     </del>				• 3	4.0
VARBL	2.5	1.6	1.3	1.5	• >	•2	i		<del>                                     </del>	<u> </u>		7.7	7+2
CALM		>	> <	> <	> <	>	$\supset <$	> <	> <	> <	> <	17.0	
	17.3	25.8	24.9	12.2	2,6	•2		T		T		100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING PRANCH ETAC/USAF AIR \*EATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

RIMSTEIN AR DE	-5-70,77-27	)€৻
STATION NAME	TEARS	MONTH
	ALL REATHER	1500-2000
<del></del>	CLASS	HOURS (L.S.T.)
	CONDITION	<del></del>
		STATION NAME  ALL WE THE .  CLASS

(KNTS)	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	**************************************	MEAN WIND SPEED
N	• >	•1						T	<u> </u>	i		•6	2.5
NNE .	7	• 0	• 1						<u> </u>			1.0	4.2
NE .	1.4	1.8	1.0	•1			<u> </u>			Ī	i	4.9	5.4
ENE	2.4	4.7	2.0							!		3.0	2.0
E	1.5	4.4	1.0	•1				<b></b>		i		3.1	4.3
ESE	1 .31	• 2	• 2							Ţ		- E	4 • 4
SE	. · I i	• 1					i		<del></del>		i — —	•2	3.0
SSE	-	• 1		• 1			<u> </u>				T	•2	8.5
S		• 2	• 1				Ī					• 3	5+1
SSW	• 5	1.3	• 5	• 4	•1				<u> </u>			201	6.7
sw	1.1	4.4	3.3	1.0	. 3			Ī	<u> </u>	i		6.9	8.03
wsw	1.5	3.9	6.0	4.0	• 8	• ]			]			17.2	5.7
w	3.11	3.4	3.5	2.9	•0					$\Box - \Box$		13.4	7.7
WNW	.9	• 1	• 3									1.3	3.4
ИW	• []	.1										•2	3.0
мим													
VARBL	2.4	1.4	1.0	1.3								6.9	6+2
CALM		$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq <$		$\boxtimes$	$\geq$	$\boxtimes$		26.0	
	17.1	22.9	20.6	11.4	1.8	- 1						100.0	5.1

TOTAL NUMBER OF DESERVATIONS

DATA PROCESSING PRAICH ETAC/USAF AIR REATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	R. MSTETH AR AL	25-7C,73-77	υEC		
STATION	STATICH NAME	YEARS	MONTH		
		ALL MEATHE.	2100-2300		
		CLASS	HOURS (L.S.T.)		
		COMPITION			

SPEED (KNTS) DIR.	1-3	4 - 6	~- 10	11 - 16	17 - 21	22 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	**	MEAN WIND SPEED
N	•9								!	i —		.9	1.4
NNE	.0	٠ ٥	• 5					<del>                                     </del>	<del>                                     </del>	j i		1.3	4.0
NE	1.4	2.0	1.0					i -	T			4.4	4.5
ENE	1.5	2.9	1.4	٠ć					i	<del>                                     </del>		5.0	5.3
Ε	2.0	4.2	1.6	• į			i		i	T		5.7	4 . 1
ESE	• 2	•5	• 1						i			1.2	3.0
SE	• • • • •						:	-	<del>                                     </del>		<u> </u>	•1	1.0
SSE	•1								i			•1	2.0
5	•1	• 1			•1					T		• 3	9.0
SSW		• 9	• 4	• 6								1.5	3.
sw	1.4	1.7	3.1	3.4	•0							10.1	9.4
wsw	1.0	4.2	0.7	3.5	٠.5			Ī				17.0	8.4
w	2.3	2.2	3.3	2.7	• >							11.2	8 • 4
WNW	.6	• 4		٠١							i	1.2	3.8
NW		•1	•1						i			•2	8.0
NNW	•1							T				.2	3.0
VARBL	2.9	.5	1.2	1.4	.4		<u> </u>				1	6.5	7.1
CAUM	$\supset \subset$	> <	$\supset <$	> <	$\supset \subset$	$\supset \subset$	$\supset$		$\supset$	$\supset <$		31.2	
	16.0	18.2	19.7	12.2	2.3							100.0	4 • 5

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC  $\frac{\text{FORM}}{\text{AR. 64}}$  0-8-5 (OL-A) previous epitions of this form are desolete

DATA PROCESSING PRANCH ETACYUSAF AIR WEATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	RAPSTETA 45 CL	70,75-77	JEC
STATION	STATION MARE	TELES	MONTH
		ALL WE, THE -	ALL
	<del> </del>	CLASS	HOURS (L S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55 :	≥56	*	MEAN WIND SPEED
N .	.5	. 3	• 0					<u> </u>		i		• 9	2.1
NNE ,	.7	• 7	• .						<del>                                     </del>	:		1.2	3.7
NE	1.5	1.9	1.0,	• 1			· <del></del>		<u> </u>	<u> </u>		4	3.0
ENE	1.0	3.7	4.5	ئ. •			: <del></del>		Ī	<u> </u>		7.9	2.2
E	2.4	4.0	1.05	• £				i		1		5.3	1.9
ESE	اد.	. 3	• 1					<u> </u>	<u> </u>	1		٠,	3.7
SE		-1	• iJ	•0					T T	i		• 3	5.1
SSE	•1	.0	•0	• 0				<del></del>	<del>                                     </del>	i		•2	4.1
Ş	• ८	-2	• 4		.0		<u> </u>	i —		<u> </u>		•5	5.0
ssw	.4	• 5	• 5	• 4	•0			Γ	1	<u> </u>		1.0	0.4
sw	. 3	1.9	3.1	2.7	• d	•1			T	I		٧.3	9,0
wsw	1.5	3.9	5.5	4.9	• 0	• 1		T	i	l		17.8	8•7
w	2.5	3.2	4.1	3.1	•5	ن.				i		13.5	7.5
WNW	.7!	٠Ž	•1	• (j			l ——		1			1.1	3.5
ж	.21	•1	•0					<u> </u>	i	l		.3	3.7
WMM	.1	•1								<u> </u>		• 3	3.3
VARBL	2.2	1.1	1.2	7.5	• 2	•1			T			0.6	7.3
CALM		$\geq \leq$	><	$\geq \leq$	$\times$	> <	$\geq \leq$	$\boxtimes$	$\boxtimes$	$\boxtimes$		26.7	
	16.1	21.0	21.0	12.6	2.4	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 7438

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PRANCH ETAC/USAF 418 REATHER SERVICE/ AC

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34050	QUESTETY LO TE	~ <sub>∪</sub> -70,72+78	4 L
STATION	STATION NOITE	TELES	mc#7#
		ALL AT TH	ALL
	<del></del>	CVR	HOURS (L.S.T.)
		CORDITION	

SPEED (KNTS) DIR,	1-3	4-6	7 - 10	11 - 16	17 - 2:	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	* ************************************	MEAN WIND SPEED
N :	•/1	- ô	• 1	•\$						i	-	1.4	3•5
NNE	1.1	.9	• 6	• 0						1	I	7.2	
NE	1.5	Z.0	• 5	• 1 ]	• 0					Ī		4.4	4.0
ENE	1.7	2.5	1.5	• 4	٠.٥	• .						c.l	
E	1.9	1.5	1.0	å	٠.					i	ŧ	4.9	5.1
ESE	• 5	.3	• 1	•0	٠,١				<u> </u>	<u> </u>	<u> </u>	1.11	3.5
SE	•41		•0	•6					<u></u>	<u> </u>		• •	3.4
SSE	• 41	•2		•0					<u> </u>	<u> </u>	1	•5	
S		.5		• C	.0					<u> </u>		1.2	5•I
\$5W		• 9		ا و •	.0		•0	·		<u> </u>	ļ	2.5	6.3
SW	<u>• = =  </u>	1.3		1.00	<u>د .</u>	• 1	ν	.0			<u> </u>	7.2	8.5
W\$W	1.0	3.2	>.3	3.0		• 1	•0			<u> </u>		14.3	<b>2.</b> 7
w	2.5	3.2		2.01		•9	•0			<u> </u>	į	11.6	7.2
WNW	•91	.5		• 1	<u>.</u>					<u> </u>	<u> </u>	1.8	4.5
NW	.3	.2		•01						<u>L</u>		• • •	4.1
NNW	.3	•2	-0	•-) [						<u> </u>	<u> </u>	•6	3.5
VARBL	2.0	1.1	3.2	1.51	• 4	٠٥	-0		<u></u>	<u>L</u>	i	\$ • 2	5.0
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$			31.0	
	17.9	19.7	19.9	9.9	1.3	. 2	• 0	.0				100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

86059

JATA PROCESSING PRANCH STAC/USAF AIR REATHER SERVICE/MAT

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34051	R=45T≤** xº 1€70,75=78	më 📜
STATION	STATION NAME YEARS	HORTH
	ŞhS₹R F #VF	-4 mg
	Ciaso	HOURS (L.S.T.)
	CIG 200 TO 146" FT W/ VSPY 1/2 MI OR MORE,	
	COMDITION	
	anthop were also at also will be able to a series	2

SPEED (KNTS) DIR.		4-6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 22	34 - 40	41 - 47	48 - 55	≥56	duri e min	MEAN WIND SPEED
N	1 .5	.21	•1	7						:	i	• 9 1	3.U
NNE	1.3	.7	• 1	•. 1						-		1 • / ;	5.0
NE	2.1	2.5	+ 2	! ر) •							I	7.4	4.3
ÉNE	2.4	3.4	1.5						<u> </u>			7.8	5.0
E	2.3	4.1	1.1	• 1 1	i					:	1	5.71	4.5
ESE	• 0	. 3								:	<u> </u>	• 4	و • ق
SE		• 1	• €	•0					i	<u> </u>	i	• 3	3
SSE		•0	• 0								I	1 •21	3.5
5	1 .31	-1	• 1						1		<u> </u>	•4]	3.7
\$\$₩	•>	. 5	• 3	<u> </u>						<u> </u>	<u> </u>	1.4	5.3
SW	_ • 7	1.9	2+0	1.9	- 4		• 0		<u> </u>	i		/•/	5./
MžM	1.3	٥.٥	0.7	4 - 3	-4	• 1			1		1	1/•li	8.0
₩	2.7	2.7	2.0	1.1	• 1	.0	•0		1			7.4	6.2
WNW		• 4	• 1	•0	.0				1			3 38	3.0
NW	_ • 2	•0	•0						[		l	•31	2 • /
NNW	• 4 ]	•0	•0							-	1	•21	5.0
VARBL	3.0	1.0	1.1	•5	• 1	• 7)					I	>•81	5.0
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	$\times$	$\geq \leq$				33.3	
	19.3	19.7	17.0	8.3	1.1	•2	•0			1		100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 17022

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS SORM ARE OBSOLETE

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART D

#### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
- 3. By month by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Fureau and Many stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1943. Beginning in July 1943 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opage.

Beginning in January 1968, METAR stations report visibilities to o miles and then greater than 5 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

#### EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING							V	isi YTLIBI	IATUTE MI	LES)						
(FEET)	≥ 10	€ 6	≥ 5	≥ 4	≥ 3	≥ 2 %	≥ 2	21%	21%	21	≥ 1/4	≥ %	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING										<b></b>						
≥ 1800 ≥ 1500					91.0			The state of the s								92.6
≥ 1200 ≥ 1000								mineral security								
≥ 900 ≥ <b>800</b>																
≥ 70¢ ≥ 600							AND THE PARTY OF T			Communication of the Communica						
≥ 500 ≥ 400										97.4						98.1
≥ 300 ≥ 200																
≥ 100 ≥ 5					95.4		96.9	111111111111111111111111111111111111111		98.3		1				100,0

- REMAMPLE #1 Read ceiling values independently of visibility under column at right herded  $\geq 0$ . For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%:

  Ceiling  $\geq 500$  feet = 98.1%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table: Visibility  $\geq 3$  miles = 95.%. Visibility  $\geq 2$  miles = 96.9%. Visibility  $\geq 1$  mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%.

\$74.\$**90**63

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 fact and/or wisibility.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the conclude given in transfer above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq$  1500 feet with  $\geq$  3 miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq$  500 feet with visibility  $\geq$  1 mile, but < 3 miles; or ceiling  $\geq$  500 feet, but < 1500 feet with visibility  $\geq$  1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PRUCESSING RRANCH USAF LIAC AIR REATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AP PL

.7-73,73-78

JAH

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

0000-0200

CEILING							¥151	B-(+14 STA	*6 ***(6	_						
#EE†	≱ /(	20	≥.5	≥ 4	≥ 3	22	≥?	<u>&gt;</u> 1	2 .	2	2.	2 ,	≥ ,	2510	. ≥ . <sub>?</sub>	≥٥
20000 ≥ 20000			10.9	11.5		13.3		15.1		15.7	15.7	15.9	16.3	16.7	16.6	
2 18000 2 1600		10.6	12.5	13.3	12.0	15.1	15.9	-	17.7	19.1	18.1	18.5	19.0	19.4	19.6	20.
≥ 14600 ≥ 12000		10.7	12.6	13.4.	12.1	15.2	17.0	17.6	17.8	15.2		18.7	19.1	30.3	19.7	20.4
≥ 16000 ≥ 9000		11.8 12.1	13.8	14.6	16.5		13.4	19-1	19.3	20.0,	20.0	_	20.8		21.5 21.6	21.
≥ 8000 ≥ 7000		13.1	15.1		18.0	18.1	2).1	20.7	20.9	21.6	21.6	22.0	22.4		23.1	23.
≥ 6000 _ 5000		14.8	16.8	17.9	20.1	20.2	22.1	22.8	23.0	23.6	23.6	24.1	24.5	24.9	25.1	25.
≥ 4500 ≥ 4000		21.3			25.,	25.2	27.5	28.2		29.6	29.6			30.9		
≥ 3500 ≥ 3000		22.5		27.1		29.8		33.0		34.5	34.0	35.2			36.2	
≥ 2500 ≥ 2000				35.3					43.1 50.6				:			46 ·
≥ 1'00 ≥ 1500				43.9 52.0												56. 65.
≥ 1200 ≥ 1000				37.3 62.6												
≥ 900 ≥ 800		50.3	58.7	63.6 64.5					78.9 81.1		7				82.2 84.5	
≥ 700 ≥ 600		50.5		65.5	75.7	76.3		81.8	85.4	87.2	1				87.3 89.9	
≥ 500 ≥ 400		50.5	59.2	65.6 65.6	76.5	77.0	82.4	36.6	88.7	91.5	92.0	92.7	93.6	94.4	94.6	95.
≥ 300 ≥ 200			59.2	65.7	76.6		82.5	86.7	89.2	92.2	93.2	94.0	95.1	90.0	96.3	97.
≥ 100 ≥ 0				65.7		1			89.2							

TOTAL NUMBER OF OBSERVATIONS 92

USAF ETAC 10164 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING RRANCH USAF ELAC ALR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AR DL

7-79,73-78

<del>- 1854</del> -

#### PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS.

0300-0500

CEILING							V151	BHITY STA	TUTE MILE	£				-		
FEET	≥10	≥٥	≥ 5	24	23	≥;.;	≥2	≥ 1	2	≥,	≥ .	2 .	≥ -	≥5 10	١٠ ٤	≥c
NO CEILING ≥ 20000		8.1 9.8	9.0 10.1	9.7 10.8				14.7		15.6		15.8 17,5	15.8	16.1 17.8		<b>-</b>
≥ 18000 ≥ 14060			10.2	10.8	13.3		15.1	16.2		17.3	17.3	17.5 17.6	17.5	17.8	18.0	18.2 18.3
≥ 14000 ≥ 12000			10.3		13.5 13.6	13.5	15.3			17.5	17.5	17.7 18.1	17.7	18.1	18.2	
≥ 10000		9.2	10.8	11.5	14.1	14.1	15.9	17.3	17.5		12.5	18.7	18.8		19.2	19.5
≥ 8000 ≥ 7000		10.5	12.3		15.0	15.6	17.7	19.1	19.5	19.6 20.5	20.5	21.0	21.1	21.4	21.5	21.7
≥ 6000 ≥ 5000		13.4	12.8 15.3	16.1	18.7	18.7	21.0	22.4	22.7	21.1	24.6	24.3	24,4	24.7	24.8	25.1
≥ 4500 ≥ 4000		17.8	19.5	20.9	23.3	23.9	20.3	27.8	28.5	26.9	29.9	30.2	30.3	30.6	30.8	31.0
≥ 3500 ≥ 3000		22.7	25.4	26.8	30.0	30.1	33.1	34.7	35.4	31.9	37.0	37.3	37.4	37.7	37.5	38.1
≥ 2500 ≥ 2000		32.0	35.9	31.0 38.0	41.0	41.7	44.8	46.7	47.7	41.2	49.7	50.0	50.2	50.5	50.8	51.0
≥ 1800 ≥ 1500		40.8	45.2	40.1	52.4	52.6	55.9	58.1	59.1		61.1	61.4	61.6	61.9	62.2	62.4
≥ 1200		47.2	52.7		64.2	64.6	(8.5	71.1	72.4	73.9	74.3	74.6	74.8	75.2	75.4	75.0
≥ ¢00 ≥ 800 ≥ 700		48.6	55.1	61.2	68.5	69.2	74.1	77.5	78.9	76.3 80.4 83.9	81.0	81.3	81.5	81.8	82.0	
≥ 600		47.6	56.0	62.8	71.3	72.4	78.3	82.4	83.8	65.4 88.1	86.0	86.5	86.7	87.2	87.4	87.6
≥ 500 ≥ 400 ≥ 300		49.6	56.0		71.7	72.8	79.8	85.2	87.6	89.7	90.3	90.8	91.4	91.9	92.2	92.5
≥ 200		49.6	56.0	62.8	71.7	72.8	80.0	85.9	88.7	91.9	92.7	93.2	94.5	95.4	95.9	96.8
≥ 0										92.2						

TOTAL NUMBER OF OBSERVATIONS\_

DATA PRUCESSING BRANCH USAF ETAC AIR PEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AP TL

500 400

100

7-7.,73-73

0600-0500

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

FIUNG							* >	Ē.°Y :°A	T_TE W F							
fEE' [	≥'≎	≥c	≥ \$	≥ 4	£3	22.	≥?	≥′	3. *	ا چ	۷.	≥•	2	23.6	2.	≥0
NO CEILING ≥ 20000 (		ۥ3 7.7	7.7.	7.8			11.5		13.9		14.4		14.5			
≥ 18000 ≥ 6200		7.7 7.8	8.7				15.3						_ • • •	17.0	17.3	•
≥ 4000 ≥ 12000		9.0 9.1	8.9 9.1				13.5				17.0 17.5			17.3 18.0		17.7
≥ 10000 ≥ 9000		8.5°	10.0	11.3	13.1	13.3		17.2	18.1	18.7	19.0	19.0	19.1	19.5	19.8	19.9
> 8000 ≥ 7000		9.5	11.1	12.0	14.5	14.7	10.0	19.0	20.0	20,6	21.0	21.0	21.1	21.4	21.7	21.3
' ≥ 6000 ≥ 5000		11.5		14.5	16.5	16.7	17.3	21.2	22.2	23.0	23.3	23.3	23.4	23.9	24.1	24.2
≥ 4500 ≥ 4000		16.1	15.7	19.7	21.7	22.0	21.6	26.8	27.7	29.8	29.1	29.1	29,4	29.7	30.1	30.2
≥ 3500 ≥ 3000		21.3	23.5	25.5	28.J	28.3	25.2 3.8	33.8	34.8	35.9	36.2	36.2	36.5	31.8 36.8	37.2	37.3
≥ 2500 ≥ 2000		31.1	34.1	34.3	39.6	39.9	35.2 43.7	47.2	48.3	49.4	50.0	50.1	50.3	50.6	51.1	51.2
≥ 1800		32.1	41.4	44.5	48.7	49.1	45.8 53.2	57.0	58.1	59.1	59. ä	59.9	60,1		60.9	61.0
≥ 1200 ≥ 1000		45.2	50.2	54.6	61.2	61.7	61.1	70.9	72.2	73.4	74.2	74.3	74.5	74.8	75.3	75.4
≥ 900 ≥ 800 ≥ 700		45.9	53.0	58.4	67.0	67.5	69.7 73.3 76.2	77.8	79.1	80.5	81.4	81.5	81.7	82.0	82.5	82.6
≥ 700 ≥ 600		47.7	54.1	59.9	69.2	69.8	76.9	83.1	84.5	86.1	87.0	87.1	87.3	87.6	88.1	88.2

47.7 54.1 59.9 69.2 69.8 76.9 83.1 84.5 86.1 87.0 87.1 87.3 87.6 88.1 88.2 47.7 54.2 60.1 69.7 70.2 77.5 84.3 85.8 88.0 89.0 89.1 89.4 89.7 90.1 90.2 47.7 54.3 60.2 70.0 70.5 78.6 86.3 88.1 90.5 91.6 91.7 92.0 92.4 92.6 92.9 47.7 54.3 60.2 70.0 70.5 78.8 86.9 89.0 92.3 92.3 93.5 94.0 94.5 95.4 95.5 47.7 54.3 60.2 70.0 70.5 78.8 87.1 89.4 92.8 94.0 94.3 95.1 96.0 97.0 98.3 47.7 54.3 60.2 70.0 70.5 78.8 87.1 89.4 92.8 94.0 94.3 95.2 96.5 97.8 99.7 47.7 54.3 60.2 70.0 70.5 78.8 87.1 89.4 92.8 94.0 94.3 95.2 96.5 97.8 99.7 47.7 54.3 60.2 70.0 70.5 78.8 87.1 89.4 92.8 94.0 94.3 95.2 96.5 98.0100.0

USAF ETAC LES 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRICESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

0500-1100 --^Ŷÿīr

SIBL TY ETATL TE MILES FEE NO CEILING 7.4. 4.9 10.1 10.4 11.7 12.2 12.2 12.3 12.3 12.3 12.5 6.3 13.9 14.4 7.5 ≥ 18000 8.2 9.5 9.9 11.3 12.5 12.8 14.2 14.7 14.8 15.1 15.3 15.4 15.8 7.8 15.1 9.9 11.3 12.5 12.8 14.2 14.7 14.9 9.7 10.1 11.6 12.8 13.1 14.5 15.1 15.2 15.4 15.6 15.7 16.1 ≥ '4000 7.8 ≥ 12000 8.3 9.8 10.2 11.7 12.9 13.2 14.6 15.2 15.4 15.6 15.8 15.9 16.3 8.0 8.9 10.0; 11.1 12.6; 14.0; 14.3; 15.7 16.3 16.7; 16.9; 17.1; 17.2; 17.6; 9.2; 11.0; 11.5; 13.1; 14.6; 14.9; 16.3; 17.0; 17.3; 17.5; 17.7; 1..8; 18.3; ≥ 10000 ≥ 9000 9.6 10.9 11.3 13.5 14.1 15.0 17.6 18.0 19.5 20.1 20.4 20.6 20.9 21.0 21.4 ≥ 7000 10.5 11.9 12.5 14.9 15.5 17.4 19.1 19.5 21.0 21.7 22.0 72.3 22.5 22.6 23.0 ≥ 6000 ≥ 5000 12.4 12.9 15.4 15.9 17.8 19.6 19.9 21.5 22.3 22.6 22.8 23.0 23.1 23.5 11.8 13.3 13.9 16.6 17.3 14.4 21.1 21.4 23.0 23.6 24.1 24.3 24.5 24.6 25.1 13.8 15.5 16.0 18.7 19.6 21.6 23.3 25.7 25.5 26.2 26.6 26.8 27.0 27.1 27.5 15.3 17.5 18.1 20.8 21.6 23.7 25.5 25.8 27.7 28.7 29.0 29.2 29.5 29.6 30.0 17.5 20.1 20.6 23.4 24.3 26.0 28.4 28.7 30.6 31.7 32.0 32.3 32.5 32.6 33.0 19.9 22.6 23.8 27.1 28.9 30.5 32.5 32.8 34.7 35.8 36.1 36.3 36.6 36.7 37.1 ≥ 4500 ≥ 4000 ≥ 3500 22.9 25.8 27.4 31.4 32.4 35.2 37.2 37.5 39.6 40.6 41.0 41.2 41.4 41.5 41.9 27.6 31.5 33.7 38.2 39.1 42.3 44.3 4/ 7 46.8 47.8 48.2 48.4 48.6 48.7 49.1 ≥ 2500 29.9 33.0 35.2 39.9 41.0 44.1 46.1 46.6 48.7 49.8 50.1 50.3 50.5 50.6 51.1 ≥ 1500 ≥ 1500 33.9 38.5 41.2 47.7 49.0 52.3 54.5 55.1 57.6 58.7 59.0 59.4 59.6 59.7 60.1 ≥ 1200 ≥ 1000 37.1 42.7 46.1 53.5 54.8 56.8 61.6 62.4 65.4 66.7 67.0 67.3 67.5 67.6 68.1 38.8 45.1 49.7 58.8 60.5 64.8 67.7 68.8 72.3 73.5 73.9 74.2 74.4 74.5 74.9 39.4 46.3 51.3 62.0 63.9 66.8 71.9 73.0 76.8 78.1 78.4 78.7 78.9 79.0 79.5 40.5 47.5 53.1 64.9 66.8 71.8 75.2 76.6 80.6 82.0 82.6 82.7 82.9 83.0 83.4 800 41.3 48.3 54.0 67.2 69.1 74.5 78.0 79.6 83.8 85.4 85.8 86.1 86.5 86.6 87.1 41.3 48.3 54.0 67.6 70.0 76.3 80.4 82.2 87.0 88.7 89.1 89.5 89.8 83.9 90.4 ≥ ≥ 700 600 41.3 48.3 54.0 68.2 70.3 70.9 81.1 83.1 88.0 90.0 90.4 90.5 91.2 91.3 91.8 41.3 48.3 54.0 68.4 70.5 77.2 82.5 84.9 89.9 92.0 93.0 93.5 94.1 94.3 94.8 41.3 48.3 54.0 68.4 70.5 77.2 82.9 85.6 90.9 93.1 94.2 94.7 95.6 95.9 96.7 41.3 48.3 54.0 68.4 70.5 77.2 82.9 85.6 91.1 93.4 94.6 95.3 96.7 97.1 99.1 ≥ ≥ 500 400 200 .1 68.5 70.6 77.3 83.0 85.7 91.2 93.5 94.8 95.6 97.0 97.6100.0 .1 68.5 70.6 77.3 83.0 85.7 91.2 93.5 94.8 95.6 97.0 97.6100.0 100

FROM HOURLY OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 1004 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PRANCH USAF ETAC AIP -EATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AN NL

,7-7<sub>3</sub>,73-7<sub>8</sub>

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-1400

CE PNO								5. ** : **	.**E 44 =							
iëi	≥13	26	≥ 5	24	2:	2:	≥ 2	2	≥ .	2	2 4	2 .	<u>&gt;</u>	≥5 5	≥ .	20 }
NO CEUNO ≥ 20000				10.5 14.8												
≥ 8,75 ≥ 6000		11.5	13.4	15.4	17+4	17.7	14.0	19.8	20.2	20.4	20.6	20.6	20.0	20.6	20.6	20.6
≥ 14000 ≥ 12000		12.2	14.1	16.1	16.3	18.5	14.9	20.6	21.2	21.5	21.7	21.7	21.7	21.7	21.7	21.7
5,000 5 ,0000 5 ,0000		17.8	14.9	17.0	19.1	19.5	2,,8	21.5	22.0	22.5	23.0	23.0	23.0	23.0	23.0	23.0
≥ 8000 ≥ 7000		13.9	16.5	18.5	21.2	21.5	22.8	23.8	24.3	25.1	25.0	25.6	25.6	25.6	25.6	25.6
≥ 6000 ± 5000		15.2	17.0	20.0	22.7	23.0	24.3	25.3	25.8	26.6	27.1.	27.1	27.1	27.1	27.1	27.1
≥ 4500 ≥ 4000		19.8	22.6	22.8	28.5	28.9	3 5	31.7	32.4	33.2	33.9	34.0	34.0	34.0	34.0	34.0
≥ 3500 ≥ 3000		24.7	27.7	27.2	35.2	35.6	37.7	39.1	39.9	41.1	41.7	41.8	41.8	41.8	41.8	41.8
≥ 2500 ≥ 2000		33.8	37.4		47.2	48.0	5).2	51.6	52.4	53.5	54.2	54.3	54.3	54.3	54.3	54.3
≥ '90C ≥ .50C		40.4	44.9	43.5	55.7	56.9	54.6	61.3	62.0	63,7	64.4	64.9	64.9	64.9	64.9	54.9
≥ 000		46.1	52.2	54.1 57.5	65.7	68.1	72.9	75.6	76.7	79.4	80.3	80.9	80.9	80.9	80.9	80.9
≥ 90C ≥ 90C		47.1	53.4	58.2	70.8	73.8	79.1	82.5	33.9	86.9	36.3	88.8	8.83	88.3	88.8	88.8
≥ 700 ≥ 500	<b></b>	47.4	54.0	60.3	72.7	76.1	89.7	86.2	87.8	91.9	93.5	94.3	94.3	94.3	94.3	94.3
≥ 50G ≥ 400		47.4	54.0	60.3	72.9	76.5	83.7	87.8	89.7	94.6	96.9	97.6	97.7	97.8	97.8	97.8
≥ 300	·	47.4	54.0	60.3	72.9	76.5	83.7	88.1	89.9	95.2	97.7	98.6	98.7	99.1	99.1	99.8
≥ '00' ≥ 0		47.4	54.0	60.3	72.9	76.5	83.7	38.1	89.9	95.2	97.7	98.6	98.7	99.1	99.2	00.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 104 0-14-5 (OL A) MEYOUS EDITIONS OF THIS FORM ARE DISOLETE

DATA PRUCESSING RANCH USAF ETAC AIR WEATHER SEPVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE 1500-1700
FROM HOURLY OBSERVATIONS

V SIBIL TY STATUTE MILES

CEILING	,															
' FEE"	≥10	≥ 6	≥ 5	24	≥ 3	≥2 -	27	≥.	≥'.	≥,	≥ .	≥ .	2	≥5 16	≥ .	. ≥c
NO JEIU! ≥ 2000		9.4		11.4												
≥ 1800 ≥ 1600		12.9	14.7	16.0	17.8	17.8	10.8	19.4	19.5	19.7	19.7	19.8	19.0	19.8	19.8	19.8
≥ 400 ≥ 1200		13.0	15.7	17.0 17.4	18.8	18.8	14.9	20.5	20.6	20.9	20.9	21.0	21.0	21.0	21.0	21.0
≥ 500° ≥ 939		14.6	16.6	18.0	20.2	20.2	21.3	55.0	22.3	22.6	22.8	22.9	22.9	22.5	22.9	22.9
≥ 800 ≥ 700		16.2	18.5	20.2	22.6	22.8	23.9	24.6	24.8	25.2	25.5	25.5	25.6	25.6	25.6	
≥ 600 ≥ 500		17.2	19.5	21.3	23.9	23.9	25.1	25.9	26.1	26.6	26.9	27.0	27.0.	27.0	27.0	27.0
≥ 450 ≥ 400		21.4	23.9	25.8 29.0	20.0	29.6	24.9	31.0	31.2	31.7	32.2	32.3	32.3.		32.3	
≥ 350 ≥ 300		. 26.7	29.5	31.8 37.6	34.9	34.9	30.5	37.6	38.0	38.6	39.1.	39.2.	39.2	39.2	39.2	39.2
≥ 250 ≥ 200		36.3	39.9	43.0	47.3	47.4	47.1	50.5	51.0	52.4	53.0	53.4.	53.4	53.4	53,4	53.4
≥ 180 ≥ 150			47.4	51.7	56.5	56.6	58.3	59.9	60.3	61.8	62.5.	62.9.	62.9	62.9	62.9	62.9
≥ 120 ≥ 100		51.0	57.5	62.4	69-1	69.6	72.0	74.4	74.9	76.7	77.5	78.0	78.0	78.0	78.0	78.0
≥ 90	1	52.6	60.6	66.1 66.5	76.0	76.8	80.1	83.0	83.9	86.2	87.4	87.8	88.0	88.0	58.0	88.0
≥ 70 ≥ 60		52.7	61.0	66.9 67.0	78.0	79.0	83.4	86.5	87.3	90.4	92.0:	92.5	92.6	92.6	92.6	92.6
≥ 50 ≥ 40		52.8	61.1	67.0 67.0	78.3	79.6	84.9	88.4	89.9	94.8	97.0	97.4	97.6	97.6	97.6	97.6
≥ 30 ≥ 20		52.8	61.1	67.0 67.0	78.3	79.6	85.1	88.8	90.4	96.0	98.4	99.0	99.2	99.4	99.5	100.0
≥ 10 ≥	6	52.8	61.1	67.0 67.0	78.3 78.3	79.6	85.1 85.1	8.88	90.4	96.0	98.4: 98.4	99.0	99.2. 99.2	99.4	99.5 99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC LUCA 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

OATA PROCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS

1800-2000

FROM HOURLY OBSERVATIONS

1800-2000

1800-2000

1800-2000

1800-2000

1800-2000

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NO CENNO	·	11.7	13.3	14.1	15.5	16.0	16.9	17.1	17.5	18.2	18.2	18.2	18.4	18.6	18.7	18.9
≥ 70000							12									
≥ €300							13.5									
≥ 5000							10.8									
≥ 4000							17.9									
5 1000							21.0									
≥ 300%							22.2									
≥ 3000							22.5									
≥ 8000		17.4	19.5	20.8	22.7	23.3	24.3	24.7	25.4.	26.2	20.2	26.3	26.5	26.8,	26.9.	27.3
2 19%		19.4	20.0	21.7	23.7	24.2	25.3	25.7	26.5	27.2	27.2	27.3.	27.6	27.9	28.0.	28.4
≥ 5000		19.2	21.3	22.7	24.5	25.3	26.5	26.9	27.7	28.4	28	28.5	28.7	29.1	29.2	29.6
3 50%							29.1.									
≥ 45%							32.0									
≥ 4300							30.1									
≥ 3530							35.6									
≥ 30.0							45.2									
≥ 2530							51.2									
≥ 2000							5∉.3									
i ≥ '80C																65.7.
≥ ,200		48.5	54.1	58.7	63.2	64.0	66.4	67.9	68.9	70.8	70.3	71.0	71.3	71.7	71.9	72.4
≥ 1000																78.7
		50.8	58.3	64.6	71.6	72.7	16.1	78.5	79.7	82.0	82.0	82.2	82.5	82.9	83.1	33.5
≥ 996 ≥ 900		21.2	58.9	65.0	73.2	74.5	73.3	80.6	31.9	84.3	84.3	84.5	84.7	85.1	85.4	35.9
	·	21.2	59.6	6/.2	73.3	77.1	81.4	83.7	85.1	87.6	87.6	87.8	88.1	88.5	88,7	89.2
≥ 70C ≥ 50C		21.2	59.0	0/00	75.9	17.6	82.5	85.0	86.7	89.3	89.5	89.7	89.9	90.3	90.5	91.1
		21.0	24.0	07.0	70+9	78.7	84.0	67.0	89.1	<u>92.0</u>	92.2	92.5	92.8	93.2	93.4	94.0
≥ 500 1 ≥ 400		21.2	59.0	6/.0	77.0	75.8	84.3	68-1	90.9	94.1	94.5	94.8	95.2	95.6	95.8	96,3
		21.2	24.	67.7	77.2	79.0	84.5	38.7	71.0	75.0	45.5	75.5	76.1	76.9	7/01	97.0
≥ 300 ≥ 700		21.2	59 · /	0/./	11+2	79.0	64.3	88.7	AT-0	75.2	75.6	70.0	70.3	9/02	7/.4	98.0
	•	21.2	39 · /	47 7	1102	79.0	84.5	38.7	71.0	75.3	75.8	76.7	70.6	31.h	72.0	<del>99•2</del>
1 ≥ 10%	. :	21.2	50 0	47 0	77 2	77.0	04.0	50.	71.0	77.5	A5.A	A0 • 3	75.1	30.0	AG*3	99.7
		21.5	3A+91	01.0	11.3	14.1	04.0	88.8	71.7	75.4	<del>96.0</del>	46.4	76.8	A8.1	70.4	100.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING RRANCH JSAF ETAC AIR \*LATHEP SERVICE/MAC

#### CEILING VERSUS VISIBILITY

3405C RANSTEIN AR DL

€7-70,73-76

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

2100-2300

08 J NO							* S f	. 'V §'A	TUTE **.E	5						
₹ĒĒ*	≥``	_ ≥ 6	≥ 5	<u> </u>	23	≥;	≥:	≥'	≥. •	≥	≥ .	≥ •		≥5 '5	≥.	≥0
NO 08 . NO ≥ 20000										18.3						
20081 S		11.7	12.5	14.2	16.2	16.9	10.0	19.4	19.5	20.0	20.3	20.6	20.9	21.4	21.6	22.4
≥ 4000		11.6	12.9	14,3	15.5	17.1	13.9	19.7	19.8	20.3	20.0	21.i	21.2	21.7	21.9	22.7
2 7900										20.9						
≥ 9000	-	13.5	14.7	16.1	18.3	18.9	7 .8	21.8	22.0	24.5	22.9	23.3	23.4	24.0	24.2	25.1
2 3000 ≤	<del>-</del>	15.5	16.9	18.5	20.5	21.4	73.4	24.5	24.7	25.3 26.1	25.0	26.0	76.1	26.7	26.9	27.7
≥ 5000	·	18.5	19.9	22.2	24.6	25.3	27.4	28.5	28.7	29.2	29.6	30.0	30.1	30.6	30.9:	11.7
≥ 4590 ≥ 4390 =		24.3	25.6	27.8	30.0	31.3	33.5	34.6	35.1	32.6 35.6	36.0	36.5	36.7	37.2	37.4	38.4
≥ 3500 ≥ 3000										38.0 45.7						
≥ 250C ≥ 250C		34.5	36.8	40.5	44.3.	44.9	47.7	49.0	49.7	50.9	51.4.	51.8	52.3	52.8	53.0	54.1
2 1800 2 1500		47.2	· • 8	48.0	52.0	53.2	50.3	57.6	58.5	59.7 68.7	60.2	60.6	61.1	01.6	61.8	62.9
2 200	,	4P.5	53.8	59.4	66.1	67.1	70.6	72.2	73.2	74.5	75.3	75.7	70.1	76.7	76.9	78.0
<u>&gt;~~~</u>	-	21.5	57.5	64.0	72.5	73.8	77.8	79.7;	80.8	79.6 82.3	83.0	83.4	84.0	84.6	84.8	85.9
2 960										87.1						
· ≥ 500 ≥ 500										90.6						
≥ 400	·	52.2	59.1	66.3	76.8	78.4	54.3	87.6	89.6		93.3	93.9	94.4	95.1	95.3	96.3
2 300	<del>-</del>	52.2	59.1	66.3	76.8	73.4	84.4	88.0	90.0	92.9	94.5 <u>'</u>	95.1	96.1	96.9	97.1	98.5
2 X	-									92.9						

TOTAL NUMBER OF OBSERVATIONS 931

UJAF ETAC (034) 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**\$** 

DATA PROCESSING TRANCH DEAF ETAC AIR LEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS

≻€€.	≥		25	24		- <del></del>	2.				<i>2</i> •	2 4		25.6	2.	٤.
	<u>-</u>	= 3			<u>.</u>			-							•	
NO 75 NO	_	۹,5	9.7	10.5	12.2	12.4	13.7	14.5	14.8	15.3	15.4	15.5	15.6	15.8	15.9	15.1
2.7000		1^.3	11.7	12.7	14.5	14.9	1:.3	17.2	17.5	15.1	13.3	18.4	18.5	18.8	16.9	19.2
2 8300		17.5	12.0	13.0	14.5	15.1	10.0	17.5	17.8	18.4	18.0	18.7	18.9	19.1	19.3	19.6
				<u> 13. j</u>												
2 4.00. 3 220.				13.3												
2 130.		11.2	12.7	13.8	15.7	15.9	17.5	18.4	18.5	19.5	19.7	19,9	<u> 20.0</u>	20.3	20.4	20.7
\$ 5000		11.7	13.4	14.4	16.5	16.8	10.3	19.3	19.7	20.4	20.7	20.9	21.0	21.3	21.4	21.7
≥ ŷ• 		12.0	13.7	14.8	16.9	17.1	15,7	19.8	20.2.	<u> 20.9</u>	21.2	21.4	<u> 21,5</u>	21.8	21.9	22.7
≥ 8000 ≥ 1000				16.1												
				17.0												
≥ \$30c _ \$35,		14.4	16.2	17.5	20.0	20.3	22.0	23.2	23.6	24.4	24.7	24.9	25.1	25.3	25.5	25•8
		1: •2	18.5	19.7	<u> 22.1.</u>	22.5	25.3	<u> 25.5</u>	25.3	<u> 26.8.</u>	بل يم	27.3.	<u> جر22</u>	<u> 27.7</u>	<u> 27.9</u>	<u> 28.e2,</u>
≥ 4500 ≥ 4000		18.4	20.5	22.0	24.6	25.0	25+8	25.1	28.0	29.6	29.9	30.1	30.3	30.6:	30.7	31.0
		20.7	22.4	24.5.	27.4	21.1	21.1	31.1	31.0	37.0	33.0	32.3.	33.4	33.7	33,9	3402
≥ 3500 ≥ 3660		22.5	24.9	26.8	54.0	30.0	32.2	33.6	34.2	35.2	35.7	35.9.	36.1	30.4	36.5	36.7
				31.6												
≥ 1500 ≥ 2900				35.9												
	<del>-</del>	32.62	40 0	42.4	40.5	40.0	4-1-1: 2 - 0	51.5	26.3	3 2 4 f	<u> 34.3.</u>	24.5	29.5	22 · L	22.3	35.C.
≥ '800 ≥ 1500				44.2												
	<del>-</del>	15 4	51 2	51.0	50.1	53 7	24.1	51.0 F	60.5	71 3	34 . /.	22 2	92.3.	72.0	72 1	73.4
≥ 100 ≥ 1000				59.5												
> 900	<del></del>			60.7												
≥ 900 ≥ 800	ı			02.0												
2 700	<del></del>			62.8												
2 600				62.91												
2 500	<del></del>			63.0												
2 400				63.0												
≥ 300		149.1	56.5	63.0	74.0	75.5	8,0	8A.9	89.2	93.0.	94.5	95.1	95 6	96.1	96.4	96.9
700				63.0												
≥ X																99.6
≥ 0		49.1	56.5	63.0	74.0	75.6	92.0	87.1	89.4	93.5	95.1	95.8	96.6	97.5	98.3	Lon.o.
									<del>~</del> —							لتستعنعن

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC AND 0-14-5 (OL A) MEVIOUS (DITIONS OF THIS FORM ARE OBSOLUTE

CATA PROCESSING BRANCH USAF 61AC AIR REATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

0<u>000</u>-0200

\_\_\_£<u>£</u>\_\_\_\_

14 45							* 5 B	. · · · ·	*.* <del>*</del> * :	ž.						
****	ž ^	2:	2.	24	•	2:	2;	≥.	2	2	2.	2 .	2	43 e	ž ·	25
NO E N 21796							21.9									
							27.5									
2 5 -							27.5									
<u> 4.44</u>							24.7									
2 196							3, 6									
2 3 66							32.4									
2 800							33.0									
		23.2	20.0	29	32.0	33.8	34.6	37.2	37.8	39.0	39.0	39.2	30 7	40.2	41.4	41.6
2 1000		23.5	27.2	29.8	33.3	34.5	35.3	17.9	32.5.	39.7	39.7	40.0	40 4	40.9	42.1	42.3
<u></u>							3e . 3									
2 5500							32.2									
2.45 €							4,.0.									
2 4000							45.7									
≥ 35%		35.1	38.9	42.2	46.0	47.2	40.3	31.4	52.1	53.5	53.5	53.8	54.4	55.1	56.3	56.5
2 100		39.2	43.3	47.3	51.3	52.5	53.7	56.7	57.4	59.0	59.0	59.2	59.5	60.5	61.7	61.9
≥ 3500							50.3									
≥ 2000							61.5									
≥ 800							64.2									
≥ 500		49.6	54.8	60.8	66-5	66.0:	59.9	73.4	74.1	76.0	76.0.	76.2	76.8	77.5	78.7	79.0
2 13.		52.5	58.3	65.4	72.1	73.5	.8 و دُ7	79.7	80.4	82.3	82.5	82.7	83.3	84:(	85.2	35.5
≥ 360							8-5.4									
≥ 900		55.4	61.9	69.7	77.2	78	81.3	85.3	86.1	87.9	88.2	88.4	89.0	89.8	91.0	91.3
≥ 500							87.6									
≥ 700		56.0	52.5	70.9	78.0	80.3	83.3	87.4	88.1	90.1	90 -4	90.9	91.5	92.3	93.5	93.7
≥ 600	<u> </u>						83.7									
2 50C		` 56 <sub>•</sub> 0	62.6	71.2	79 - 2	81.1	84.5	88.7;	90.0	92.4	92.91	93.5	94.1	94.9	96.2	96.5
2 400		56.0	62.6	71.2	79 - 21	81.1	84.5	89.6	91.1	93.6	94.1	94.7	95,3	96.1	97.4	97.6
≥ 300							84.6									
2 200		56.1	52.8	71.3	79.3	01.2	84.6	<u>89.7</u>	91.5	94.1	94.6	95 <u>•2</u>	95.7	97.2	93.6	98.9
≥ '6€							34.6									
<u> </u>		56,1	62.8	71.3	79.3	81.2	84.6	89.7º	91.5	94.1	94.6	95.3	95.9	97.3	99.1	100-0

FROM HOURLY OBSERVATIONS

TOTAL NUMBER OF CASERVATIONS 84

LATA PRUCESSING FRANCH USAF ETAC AIR MEATHER SEPVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE 0200-0500 FROM HOURLY OBSERVATIONS

~ ~ ~	· · · · ·															
-	4 '	≥e	2.1	2 €	<b>.</b>	-:	≥.	3	3 .	ž	2.	ż ,	2	25.5	2 .	30
NO 18 NO		15.4	17.5	18.9	21.9	22.1	74.2	25.7	20.6	27.2	27.3	27.3	27,8	28.1	28.7	28.8
21 00		15.6	18.0	19.4	22.7	23.0	7:.2	25.6	27.5	28.1	28.3	28.3	28,7	29.1	29.7	29.8
2 8 8.4		15.5	18.0	19.4	22.7	23.0	2,.2	25.6	27.5	28.1	28.3	28.3	25.7	29.1	29.7	29.8
							22.2									
≥ 4005		[ K . C	18.2	19.5	22.9	23.3	2: .4	25.8	27.8	28.4	28.5	28.5	29.0	29.3	29.9	30.0
2 (9%							20.									
2 0000		17.3	19.7	21.2	24.5	24.3	27.1	28.8	29.8	30.4	30.5	30.5	31.0	31.3	31.9	32.0
> ××							21.7									
2 ₹⊅℃		19.1	21.9	23.5	27.3	27.a	30	31.8	32.7	33.3	33.5	33.5	33.9	34.3	35.0	35.1
5 ,4%							3:.4									
2 500							33									
\$9 -							37.0									
45°C							37.0	_								
2 4000 							41.3									
2 35XC 2 3000							45.4									
							47.9									
≥ 2500 ≥ 2000							52.2									
							59.0									
≥ 800 ≥ '500		42.9	49.2	52.4	57.7	58.2	61.2	53.5	65.0	06.1	66.3	66.5	67.0	67.5	58.4	68.6
							60.2									
2 700 ≥ 300							76									
							77.2									
2 900 ≥ 800							78.6									
							81.1									
2 *06 2 aX							81.9									
			61.5				82.7									
≥ 500 ≥ 400		53.7														
≥ 30C							83.7									
≥ 300 ≥ 200							23.7									
							83.7									
; ≩ X6 } ≥ 0							83.7									
<u> </u>		2301	01.03	4.01		11.47	2301	00+4	-/U=1		74.0	1305		1106		MU•Q.

TOTAL NUMBER OF DESERVATIONS

USAF ETAC 100M 0-14-5 (OL A) MENOUS EDITIONS IN THIS FORM ARE DISCUSTE

DATA PROCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

34052 RAMSTEIN AR OL

<u>,7-7.,73-78</u>

- <u>- ££</u>3 - -

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

2620-6800

€ % '€€'					_		- 3	ž ',	7 n							
	ž -	<b>३</b> ≎	.e. 5	2.4	· ·	2:	2:	_	2 .	2	· ·	2 ,		20.5	2.	٤٠
N0 ™ N. 2 (1994)		12.1	14.5	16.3	18.7	19.1	21.3	22.0	22.7	23.2	23.2	23.7	23.3	23.4	23.9	24.1
2 5.40 2 500		1 2 4 . 3	10+1	17.8	20.7	20.9	23.3	-4-0	24.7	25.3	25.3	25.3	74. 4	25 5	7Á 3	34 6
2 4.64, 2 1399		14.3	10.3	16.1	20.9	21.7	24.1	24.2	24.9 25.5	25.5	25.5	25.5	25.1	25.8	26.4	26 • 6
2 47% 2 47%		14.9	17.5	19.4	22.5	22.7	21	25.5	26•2 2a•6	. 6 , 8	26.8	26.9	27.0	27-1	27.7	27.9
2 5.60 2 700		15.7	18.6	20.4	24.2	24.0	Zp.4	27.5	28.5	29.1	29.1	29:1	29.3	29.4	30.0	30.3
2 50% 2 50% 2 45%		18.8	21.7	24.1	27.7	27.9	3.5	29.3	30.0	30.6	30.0	30.6	30.9	31.0	31.6	31.5
$-\frac{\overset{2}{2}}{\underset{2}{400}}\overset{470}{\cancel{0}}$		23.0	26.5	29.0	33.7	33.9	32.7 3c.8	34.2	34.9 39.1	35.5 39.8	35.0	35.6	35.8	35.9	36.5	36.8
2 39%		<u> </u>	<u>33.8</u>	32.0 37.2	42.3	42.5	45.4	47.8	49.2	50.1	50.2	50.5	5e.a	51.2	52.0	50.2
2 9%		<u> </u>	41.0	40.5 45.7 47.6	21.5	31.8°	55.3	58.4	59.9	61.1.	61.2	61.5	A) R	62.2	A 2 A	122
≥ 500 ≥ 730		43.5	50.5	56.1	50.4 44.7	65.1	64.3	67.3	74.6	70.8:	71 <u>, 2.</u>	71.4	71.7	77.5	72.9	73.2
2 900 2 840		45.6	53.5	60.3	70.2	71.0	74.3	76.5 30.1	32.0	81.9	32.3 84.4	84.6	82.9	85.3	84.0	84.3
2 70C 2 80C		46.2	54.7	61.7	71.6	72.5	78.4	82.5° 83.1	85.3	88.2	87.2 88.5	87.5.	97.8	88.2.	99.0	89 . Z.
2 500 2 400		46.3	55.0	62.1	72.1	73.0	78.7 79.3	83.9° 84.5°	86.31 87.0	89.5' 90.4	39.3'	90.1	90.4	90.8	91.6	91.8
2 300 2 300 2 300		46.2	22 • U	\$2.2 \$2.2	12.6	73.5	79.8	25.6	88.2	91.8	97.0	93.4	92 7!	14. AP	05 5	OL 1
2 96 ≥ 3		40.6	フフ・ビ	62.2 62.2	12.5	/3.5	79.E	85.6°	8A.5	92.1.	07 A.	04 n.	QA T	DE L'	07 3	44 3

TOTAL NUMBER OF OBSERVATIONS\_

346

USAF ETAC "No. G-14-5 (OL A) MEMOUS ENTONS OF THIS FORM ARE OSCURRE

DATA PROCESSING PRANCH USAF ETAC NIR -EATHER SERVICE/MAC

RAMSTEIN AT TE

### CEILING VERSUS VISIBILITY

				PER			REGU!				RENCE				<u> </u>	-11CS
								· ·· ·	. '							
ι: ≕	÷	,	2	24	2	٤.		·	-	•	<i>-</i>	£ .	2	23 5	2 .	2
NT 5 N.			12.1													
	1	0.4	12.5	15.1	18-2	13.5	71.7	22.9	24.0	25.:	25.1	25.1	25.1	25.2	25.4	25.5
2 479 2 499			13.2													
± .54	i	1.5	14.1	16.3	19.5	19.9	23.2	24.3	25.4	<u>25.5</u>	20.5	26.5	26.5	26.7	27.C	27.1
2 496 2 46			15.2 15.4													
2 7 F	1	3.7	10.4	18.7	22.2	22.5	21	27.5	28.8	30.1	30.1	20.1	30.1	30.5	30.7	30.9
2 515			17.6 18.4													
			20.5													
2 405"	1	9.7	23.0	26,6	31.1	31.6	$\frac{3}{2}, \frac{1}{4}$	30.6	35.1	39.5	39.5	39.5	39.5	39.8	40.1	40.7
2 3000 2 3000			26.0 30.0													
2 20%	2	9.7	33.9 38.3	38.1	43.0	44.2	43.8	50.8,	53.0	55.4	55.7	55.9	55,9	56.3	56.5	56.6
_ 90C	3	4.4	39.5	44,5	50.9	51.7	50.9	59.0	61.5	64.2	64.4	64.7	64.7	05.0	65.2	65.4
2 500			46.1													
≥ 500	. 4	0.9	47.4	53.9	54.4	66.2	72.6	75.2	78.3	81.6	82.2	32.7	82.7	83.1	83.5	83.6
2 906 ≥ 806			47.8 48.3													
≥ *00 ≥ 500	4	1.6	48.6 48.6	55.8	67.8	69.5	77.2	81.0	84.8	69.1	90.0	90.5	90.7	91.0	91.4	91.5
2 500	4	1.6	48.6	55.8	58.2	70.1	77.8	81.9	86.5	91.5	93.0	93.6	93.7	94.2	94.6	94.7
2 400 2 340			48.6													96.0
2 780	4	1.6	48.6	55.8	68.2	70-1	73.0	32.4	87.2	93.0	95.0	95.7	96.5	97.4	98.1	98.5
≥ 3	- i 4	1.6	48.0 48.5	55.8	68.2	70.1	78.0	82.4 82.4	87.2	93.0	95.0	95.7 95.7	96.5	97.9 97.9	98.7	100.0

· 7-7 · ?3-16

TOTAL NUMBER OF CESSEVATIONS

USAF ETAC Sin 0-14-5 (OL A) MENOUS FORDOG OF THIS FORM ARE DISCUST

DATA PROCESSING PRANCH USAF ETAL AIR REATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

1565-1400

F53\_

258.75 3 **4**1.€ € 5 14.5 16.2 16.9 21.2 21.4 22.3 22.6 22.7 23.0 23.0 23.0 23.0 23.0 23.0 23.0 11-4% 12.3 20.3 22.3 25.8 26.1 27.3 27.7 27.8 28.1 28.1 28.1 28.1 2E.1 20.8 22.9 20.4 20.7 2 4 O. 17.5 21.5 23.8 27.2 27.5 23.7 29.1 29.2 29.6 29.6 29.5 29.6 29.6 29.6 29.6 29.6 2°.5 22.7 24.9 28.4 28.7 27.9 30.4 30.5 30.9 30.9 30.9 31.0 31.0 31.0 31.0 22.1 24.2 26.6 30.0 30.4 31.7 32.2 32.3 32.6 32.0 32.6 32.7 32.7 32.7 32.7 27.3 24.6 27.4 30.9 31.2 3..0 33.1 33.2 33.6 33.6 33.5 33.7 33.7 33.7 33.7 9,000 23.8 26.0 28.8 32.9 33.2 34.6 35.2 35.3 35.8 35.8 36.1 36.3 36.3 36.3 36.3 24.0 20.2 29.4 33.5 33.8 35.3 35.9 36.4 37.0 37.0 37.2 37.5 37.5 2 3 M 2 3 M 24.6 26.8 30.1 34.2 34.5 36.2 35.8 37.2 37.8 37.8 38.1 38.3 38.3 38.4 38.3 27-1 29-3 32-6 37-0 37-4 36-0 39-6 40-1 40-7 45-7 40-9 41-1 41-1 41-1 41-1 <u>-</u> • • 27.9 30.3 33.7 38.1 38.4 4..1 40.7 41.7 41.7 42.0 42.2 42.2 42.2 42.2 2 4.00 29.9 32.3 35.7 40.7 41.1 4/.9 43.5 44.1 44.7 44.7 44.9 45.2 45.2 45.2 45.2 ] ::X 34.2 36.5 40.1 45.0 45.5 47.3 47.9 48.5 49.1 49.1 49.3 49.5 49.5 49.5 49.5 39.8 41.5 45.7 51.1 51.7 51.5 54.1 55.11 55.6 55.0 55.8 56.0 55.0 56.0 56.0 56.0 2 25-0 2 250 42.4 45.4 49.6 55.0 55.6 57.4 58.0 58.9 59.5 59.5 59.7 59.9 59.9 59.9 59.9 47.3 50.9 55.3 61.6 67.2 64.3 65.0 66.2 67.1 67.1 67.4 67.6 67.6 67.6 67.6 48.0 51.7 56.4 62.9 63.5 -2.7 66.4 67.6 68.6 66.0 55.8 69.0 69.0 69.0 69.0 51.2 55.3 60.8 68.7 69.5 72.5 73.3 74.5 75.7 75.7 76.1 76.5 76.6 76.6 76.5 53.8 58.0 64.2 74.2 75.3 78.6 79.9 81.2 82.5 82.5 83.0 83.3 83.5 83.5 83.5 900 500 55.0 59.2 65.7 77.4 78.7 87.2 83.8 85.1 86.6 86.6 87.1 87.5 87.6 37.6 37.6 55.1 59.3 66.0 73.4 79.8 83.3 85.2 86.5 88.1 86.1 88.5 88.9 89.0 89.0 89.0 55.3 59.7 66.4 79.7 81.3 62.6 88.1 89.4 91.0 91.1 91.6 92.0 92.1 92.1 92.1 55.3 59.7 66.8 81.1 82.7 87.1 59.7 91.1 93.5 93.7 94.2 94.6 94.7 94.7 94.7 <u>≥</u> 55.3 59.7 67.0 81. 83.6 88.1 90.9 92.6 95.3 95.6 96.1 96.5 96.6 26.6 96.5 55.3 59.7 67.0 81.9 83.6 88.1 91.0 92.9 96.2 96.3 97.4 97.8 97.9 97.9 97.9 55.3 59.7 67.0 81.9 83.6 88.1 91.0 93.0 96.9 97.6 98.3 98.7 98.9 98.9 98.9 oux\* 400 55.3 59.7 67.0 81.9 63.6 08.1, 91.0 93.1 97.0 98.0 98.8 99.2 99.4 99.4 99.4 270 55.3 59.7 67.0 81.9 83.6 88.1 91.0 93.3 97.4 98.3 99.2 99.5 99.8 99.8 55,3 59.7 67.0 81.9 83,6 88.1 81.0 93.3 97.4 98.3 99.2 99.5 99.8 99.8100.0 α 55.7 59.7 67.0 81.9 83.6 86.1 91.0 93.3 97.4 98.3 99.2 99.5 99.8 99.8100.0

FPOM HOURLY OBSERVATIONS

TOTAL NUMBER OF CESERVATIONS

USAF STAC COM G-14-5 (QL A) PRIVOS DICON OF INS FOR AN OSSURE

6

DATA PROCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

J4050 RAHSTEIN AR DL

:7-70,73-7d

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CFR No.							V 51	5. ** 5.4	.*	-						
FEE" :	₹.c	20	≥ 5	2.4	2.	≥?	27	2	2.	2	2 •	≥,	2	≥5 0	≥ .	≥
NO CEILING . ≥ 20000															24.1 29.8	
≥ 18000 ≥ 16000															30.3 31.4	
≥ 14000 ≥ 12000		24.6						32.5 33.5		32.5 33.5	32.5	32.5	32.5 33.5		32.5 33.5	
≥ 10000 ≥		27.1						55.7 36.4				35.7 36.4		35.7 36.4		
≥ 8000 ≥ 70x0															38.7 40.8	
≥ 6600 ≥ 5 00		30.5 33.3	23.0	36.6	40.8	40.8	40.9		41.1	41.4	41.4	41.4	41.4	41.4	41.4 44.2	41.4
≥ 450° 2 4000			37.7		45.5	45.5	45.6		45.9	46.3	46.3	46.3	46.3		46.3	
≥ 3500 ≥ 3000		42.3		49.1 54.4		53.9	54.3		54.7	55.3	55.3	55.3	55.3	55.3	55.3 62.3	
≥ 25.x0 ≥ 2000		50.6						55.6. 70.7							66.5 72.1	66.5°
≥ 1800 ≥ 1500		56.1	60.4	64.9	71.5	71.7	72.9		73.8	74.8	74.8	74.8	74.8			74.8 81.5
≥ 1200 ≥ 1000		60.5	65.7	i												88.8 92.8
≥ 900 ≥ 800			67.5			86,5	89.2 90.8	90.5 92.2	90.9	92.9	93.4	93.4	93.5 95.2	93.7 95.4	93.7	93.7 95.4
≥ 700 ≥ 600		61.6	67. 67.6	,5 74.6												96.7 98.1
≥ 500 ≥ 400		61.6		74.6	87.9	88.3	92.3	94.1	95.4	98.8	99.5	99."	19.5	99.9	99.5	100.0
≥ 309 ≥ 200		61.6	67.8	74.5	87.9	88.3	92.3	94.1	95.4	98.8	99.5	99.5	99.6	99.9	100.0	100.0
≥ 100	<u> </u>							94.1								100.0

USAF ETAC 10164 0-14-5 (OL A) SEES, AUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AR DL

27-7.1373-76

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS.

1500-2000

CE:INŌ							٧٠٥٠	β1, ** 5*A	."_"E * .E	5						
tit	≥'?	. ≥6 ,	≥5	24	≥ú	22	≥2	≥'	2 .	2	2 . :	≥ .	>	~ _25	≥ .	≥0
NG CEUNU ≥ 20000		19.5	22.0	23.8	27.4	27.9	33.0	23.8	28.8	29.8	28.8 33.1	28.8	?8.8 33.1	29.0	29.0	29.0
≥ 18000 ≥ 5**€		23.0	25.8	27.9	31.7	32.4	33.3	33.5.	33.5	33.5	73.0	33.5	33.5	33.6	33.6	33.5
≥ '4000 ≥ 2000		24.3	27.2	29.3	33.1	33.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	35.0	35.0	35.0
≥ 10000 ≥ 9000	. ,,	27.1	30.0	32.2	35.9	36.6	37.6	37.7	37.7	37.8	37.8	37.8	37.8	37.9	37.9	37.9
≥ 8000 ≥ 1000				35.6 37.5												
≥ 5000 ≥ 5000		37.1	40.4	38.8 43.0	48.5	40,31	52	50.4	50.4	50.5	50.5	50.5	50.5	50.6	50.5	50.6
≥ 4500 ≥ 4000		43.1	46.7	46.3	55.7	56.5	57.7	57.8	58.0	58.3	58.3	58.3	58.3	58.4	58.4	58.4
≥ 3500 ≥ 3006		49.5	54.5	53.4 58.0	65.2	ô6.3	67.8	57.7	68.0	68.2	68.2	68.2	68.2	68.3	68.3	68.3
≥ 250C ≥ 200C			59.9	60.4	71.9	72.9	74.8	75.4	76.0	76.2	76.2	76.2	76.2	76.4	76,4	76.4
≥ \$00 ≥ :500		<del></del>	63.5	65.1 68.1	77.9	79.3	81.9	82.5	83.1	83.9	53.9	84.2	84.2.	84.4	84.4	134.4
≥ 1266		59.7 60.3	66.7	71.7 72.9	84.5	86.8	90.0	90.5	91.1	92.6	92.6	92.8	92.8	93.0	93.0	93.0
≥ 900 ≥ 800		60.4	66.9	73.3 73.6	86.2	88.9	97.2	92.9	93.5	95.2	95.2	95.4	95.4	95.6	95.5	95.6
≥ 790 ≥ 600		60.6	67.3	73.9 74.0	86.9	89.6	93.1	94.6	95.4	97.0	97.3	97.9	98.0	98.2	98.2	98.2
≥ 500 ≥ 400		60.6		74.0	36.9	89.6	93.1	94.9	96.1		98.3	99.1	99.2	99.4	99,4	99.4
≥ 300 ≥ 200	i	60.6	67.3	74.0	86.9	89.6	93.1	95.0	96.3	98.5	98.7	95,4	99.5	99.8	99.8	99.8
2 00 €				74.0 74.0												

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC 30 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING REALCH USAL ETAC AIR REALHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

34050 RAMSTETH AR DL

-7-7.,73-78

- 400 to 1

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

2100-2300

ERING,							y S (	5.'* 5'4	عينه عجرت	. <						
*EET *	≥10	≥0	≥5	<u>&gt;</u> 4	د ≤	22	≥?	≥.	≥'.	≥.	≥ .	≥,	2 .	≥5 8	. ≥ .	≥≎
NO CEIUNG ≥ 20000		22.3	25.7	27.1	30.9	31.6 34.5	32.7	33.6 36.9	33.7	33.9 37.2	33.9°	34.0	34.4	34.8 38.1	35.1 38.4	35·3 38·7
≥ 18000 ≥ 6600		24.6	28.4	30.0	33.9	34.8	35.0	37.1	37.2	37.5	37.0	37.5.	37.9	38.3	38.7	38.9
≥ 14000 ≥ 12000		25.1 25.8	28.8	30.5 31.2	34.4	35.2 35.9	35.4	37.6. 38.3	37.7°	37.9 38.7	37.9	38.1 38.8	38.4. 39.1	38.8 39.5	39.1 39.8	39.4
≥ 10000 ≥ 9000		27.0 27.2!	31.1	32.7	35.9	38.1	39.4	40.5	40.7	40.9	40.9	41.0	41,4	41.7	41.4	47.3
≥ 8000 ≥ 7000		28.6 29.4	32.5 <sup>1</sup>	34.2 35.0	38.3	39.5	41.6	42.3	42.4	42.5 43.6	42.8	42.9	43.3	43.6	44.0 44.8	45.0
≥ 6000 ≥ 5000		33.1	37.2	38,9	43.6	45.0	40.5	48.0	48.2	48.7	48.0	48.9	49.3	49.6	45.6 50.0	50.2
> 4500 2 4000		<u> 39,7'</u>	43.0	44.7	49.8	51.2	56	54.3	54.5	55.2	55.3	55.4	55.8	56.1	53.3. 56.5	56.7
≥ 350C ≥ 300C		47.3	52.5	54.5	60.0	61.7	63.1	64.8	67.1	65.7	65.8	66.0	66.3	66.7	60.9 67.0	67.3
≥ 2500 ≥ 2000	نـــاـــــــــــــــــــــــــــــــ	52.1	57.9	60.8	66.7	68.4	7:,.8	72.5	72.8	73.5	73.6	73.8	74.1	74.5	69.3	75.1
≥ 1800 ≥ 1500		57.3	63.7	67.1	74.6	76.6	79.0	80.9	81.2	82.4	82.0	82.9	83.2	83.6	76.6 83.9	84.2
≥ 1260 ≥ 1000		60 • Oi	67.0	70.6	79.7	82.7	86.2	38.8	89.1	90.3	90.5	90.8	91.1.	91.5	88.5 91.8	92.1
≥ 900 ≥ 800		60.5	67.8	71.5	81.3	84.4	82.1	90.9	91.3	92.8	93.0	93.3	93.6	94.0	92.1	94.6
≥ 700 ≥ 600		60.5		71.7	81.4	85.0	88.88	91.8	92.6	94.2	94.6	94.8	95.2	95.5	94.9	96.1
≥ 500 ≥ 400 ≥ 300		60.5	68.0 68.1	71.7	81.7	85.2	99.6	93.5	94.3	96.1	96.5	96.9	97.4	97.8	97.6 98.1 99.7	98.3
≥ 200		60.5	68.1	72.0	81.9	85.5	90.0	94.0	94.8	96.6.	97.0	97.5	98,1	98.6	98.9	99.2
≥ 100			68.1	72.0	81.9	85.5	90.0	94.0	94.8	96.7	97.2	97.8	98.3	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 84

USAF ETAC 101 04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PRANCH USAF ETAC AIR WEA MER SERVICE/MAC

### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AP DE

-7-70.73-78

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

<del>\_\_\_ALL</del>

   CERMS							¥1\$1	Bility STA	tute wite	\$						
FEE.	≥10 :	≥6 !	≥5	≥4	≥3	≥2 .	≥2	≥.	≥' .	≥.	2 4	≥ .	2	≥5 '6	≥.	≥c
NG CELNS 2 20000		14.0	18.4	20.3	23.4 26.2	23.8 26.7	2 2	25.9 29.0	20.3 29.4	25.8 29.9	26.8 29.9	26.8	27.0 30.1	27.2. 30.3	27.5. 30.0.	27.6 30.7
≥ 18000 ≥ 18000	1			23.1												
≥ 14000 ≥ 12000			22.6	23.9	28.0	28.5	30.0	30.9	31.3	31.8	31.8	31.8	32.0	32.2	32.6	32.7
≥ 10000 ≥ 9000		21.5	24.3	26.1 26.5	30.1	30.7	32.2	33.2	33.7	34.2.	34.2	34.7	34.4	34.6	35.0	35.1
≥ 8000 ≥ 70%	1	23.7	26.7	28.1 29.2	33.2	33.7	32.3	36.5	37.1	37.7	37.7	37.8	38.0	38.2	38.6	38.7
≥ 6€90 ≥ 5900		26.9	30.1	30.0 32.8	37.0	37.6	39.3	40.5	41.1	41.7	41.8	41.8	42.1	42.3	42.1	42.8
≥ 4500 ≥ 4000	!	31.6	35.0	34.9	42.7	43.3	45.2	46.5	47.2	48.0	48.0	48.1	43.4	48.6	49.0	49.1
≥ 3500 ≥ 3000		39.1	43.2	41.6 46.6	5/.0	52.7	54.8	56.3	57.2	59.2	58.2	58.4	58.6	58.9		59.5
≥ 2500 ≥ 2000	<u>.</u>	45.5	50.4	49.6 54.4	60.5	61.3	63.8	05.6	66.7	67.9	68.0	68.1	68,4	68.7	69.1	69.2
≥ 1800 ≥ 1500 ≥ 200			55.5	56.2 60.3	67.9	68.9	71.9		75.0	76.5	76.7	77.0	77.2	77.5	78.0	78.1
≥ :000		52.1 53.6 53.9		66.1	76 . 2	77.7	81.4	83.9	85.2	86.9	87.2	87.5	87.8	88.1		88.7
≥ 90C ≥ 800 ≥ 70C			61.0	67.4	78.3	79.9	84.3	84.9 87.1 88.0	88.5	90.6	90.9	91.2	91.5	91.8	92.3	92.5
≥ 600			61.3	68.0	79.3	80.9	85.6	88.7	90.4	93.1	93.0	94.0	94.3	94.7	95.2	95.3
≥ 500 ≥ 400 ≥ 300	-	20 ( )	61.3	68.0	79.4	81.2	84.1	59.8	91.8	95.0	95.7	96.2	96.5	96.9	97.4	97.5
≥ 200		54.5	61.3	68.1	79.5	81.2	86.2	90.0	92.1	95.4	96.3	96.8	97.3	97.9	98.6	98.9
≥ 100 ≥ 0	:			68.1												

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 40164 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

DATA PROCESSING PRANCH USAF ETAC AIR \*EITHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

34050 RAMSTLIN AR DL

66-7:<u>,</u>73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

ĆĒs, №							*·S'	8.°* <°/	.*. *F . ₩ . F							!
t{E	≩10	≥6	≥:	≥ 4	≥:	≥2	22	٤.	≱'.	2	≥ •	≥ .	≥ ,	≥5 '6	≥ .	≥0
NO CEIUNG ≥ 20000			32.0													
≥ '8000			35.6													
2 6XX			36.0													
≥ 4000			36.2													
≥ (2000			36.6													
≥ 10000			38.4													
≥ 9000			38.0													
≥ 8000 ≥ 7000			40.0													
			41.2													
≥ 6005 2 5000			44.0													
2 450€			47.7. 51.1													
, ≥ 4000			54.0													
≥ 3500			58.3													
2 3000			62.2													
≥ 2500		60.7	64.2	66.6	71.0.	71.8	7, .7	73.5	74.4	75.2	75.7	76.2	76.3	77.6	5.77	77.9
≥ 2000		64.0	67.9	70.8	76.2	76.5	77.5	78.5	79.3	80.2	80.6	81.4	81.6	87.9	93.1	83.2
≥ 1800	_		68.8													
≥ 500	-		71.9													
≥ 126C ≥ 100C			73.3													
		69.2	74.7	79.3	86.8	87.3	89.0	90.3	91.5	92.4	92.8	93.5	93.8	95.2	95.6	95.9
· ≥ 900 ≥ 800			75.1	79.9	87.5	98.1	89.9	91.3	92.5	93.3	93.8	94.5	94.7	96.1	90.0	96.9
		69.3		79.9												
· ≥ 700 ; ; ≥ 600 ;			75.3	80.1												
≥ 500 ;			75.3													
. ≥ 400			75.3													
≥ 300			75.3													
≥ 200			75.3													
≥ '00		69.3	75.3	50.1	87.9	88.5	90.5	93.2	94.5	95.5	95.9	95.7	95.9	98.3	98.7	99.5
_ ≥ 0		69.3	75.3	80.1	87.9	88.5	90.5	93.2	94.5	95.5	95.9	96.7	97.0	98.5	98.9	loe.o

TOTAL NUMBER OF OBSERVATIONS

92

USAF ETAC 20 04 C-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DISOLE

DATA PROCESSING PRASCH USAF ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

3405c RAMSTEIN AR PL

65-7c+73-77

<u> MAR</u>

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

0300-0500

CENNO							- 519	Bigity STA	T. TE MIE	5						
.fē	≥ '0	. ≥ø	≥5	≥ 4	≥3	≥2.	≥;	≥.	≥, •	۶.	2 4	≥ .	2	≥5 '≎	2 ·	≥¢
NO CEILING ≥ 20000	-			29.1												
3 8000 2 8000		28.9	31.6	32.4	33.8	34.4	35.4:	36.2	30.8	37.0	37.4	37.4	37.6	38.4	38.9	39.8
≥ 4000 ≥ 1000				32.4												
2 AX€ ≥ 9000		29.5	32.0	33.3 33.9	34.8	35.6	30.6	37.5	38.1	38.3	38.8	38.0	39.1	39.9	40.4	41.3
2 8000 2 7000		31.7	34.6	35.4i 37.1	36.9	37.6	37	39.7	40.2	40.4	41.0	41.1	41.3	42.2	42.8	43.9
≥ 6000 ≥ 5000		34.7	38.0	39.1 43.3	40.8	41.7	44.9	44.0	44.5	44.7	45.3	45.4	45.0	46.5	47.2	48.3
≥ 4500 ≥ 4000				45.9												
2 3500 2 3000		46.5	50.6	52.5 56.9	55.6	56.9	55.4	59.5	60.0	60.3	60.9	61.0	61.5	62.5	63.4	64.5
≥ 2500 ≥ 2000		52.4	58.0	60.1	64.2	65.8	67.5	58.7	69.4	69.7	70.2	70.3	70.9	71.9	72.8	73.9
≥ 1500 ≥ 1500				66.0 70.1												
≥ 1200 ≥ +000		61.6	69.0	72.7 74.1	79.0	80.9	85.0	84.3	84.9	85.3	\$6.0	86.1	36.7	7.8	88.7	90 · i
2 900 2 800		, ö2.5	70.2	74.3	81.4	63.3	8>.7	87.2	87.8	88.2	88.9	89.0	89.6	90.8	91.6	93.2
≥ 706 ≥ <b>60</b> 0				75.3 75.4												
≥ 500 ≥ 490		62.8	71.2	75.4 75.4	82.8	B4.7	87.4	20.0	91.0	91.6	92.5	92.7	93.4	94.9	95.8	97.4
≥ 300 ≥ 200	!	62.8	71.2	75.5 75.5	82.9	84.8	87.6	90.4	91.4	92.2	93.0	93.2	94.1	95.6	96.6	98.7
≥ 100 ≥ 0	!	62.8	71.2	75.5 75.5	82.9	84.8 84.8	87.6 57.6	90.4	91.4	92.2	93.0	93.2	94.1 94.1	95,7 96.0	96.7 97.0	99,4 100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC #084 0-14-5 (OL A) MEYIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER DERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

PERCENTAGE FREQUENCY OBSERVATIONS

PERCENTAGE FREQUENCY OBSERVATIONS

-26	≥-^	≥≎	25	24	<b>₫</b> :	ż.	41	2	ž .	2	<b>2</b> •	≥ +	2	≥\$ 6	2.	≥:
NO CE NO		17.8	17.2	20.8	24.9	25.4	25.4	27.4	28.0	28.2	28.8	28.8	29.1	29.6	30.1	30.7
≥ 20000							2 - 2									
≥ '83€€							2 . 4									
≥ 500							29.7									
≥ 45€€							3 . 3									
2 150:		17.8	21.3	24.9	29.1	29.6	3 8	22.1	32.8	33.1	33.7	33.9	34.3	34.9	35.5	36.1
≥ 900€		19.5	22.3.	25.9	30.2	39.7	3, .0.	33.4	34.1	34.4	35.0	35.2	35.0	36.2	36.7	37.4
≥ 9000		19.0	22.8	26.5	30.8	31.4	3,.7	34.1	34.8	35.2	35.9	36.1	36.4	37.2	37.7	38.4
≥ 3000		50.5	24.0	23.1	32.5	33.1	34.5	36.0	30.7	37.2	37.8	38.0	38.5	39.2	39.8	40.4
5 .M.		20.01	24.9	29.2	33.9	34.7	32	37.9	38.8	39.3	40.C	40.2	40.7	41.5	42.0	42.7
5 2000							34.3									
_ 5065		23.9	28.€	33.5	38.0	30,5	4: 4	43.2.	44.2	44.7	45.5	45.5	40.4	47.4	48.0	42.6
≥ 45%					_		42.0	-	_		-					52.9
<u>4000</u>							44,8									<u>56.5</u>
≥ 3590 ≥ 3590							51.4									
							56.4									
≥ 7500 ≥ 2000		36.4	43.5	50.1	57.1	58.2	50.9	63.0	64.3	65.0	65.8	66.2	66.6	67.9	68.8	69.5
							65.7									
2 1500   2 1500							66.9									
<u> </u>							72.4									
2 7X 2 1000							75.6									
							79.2									
2 900 2 800 ·		94.7	22.3	(3.4)	13.3	74.4	79.8	52.1	84.5	85.3	87.2	87.6	28.3	37.4	90.3	91.2
							8:.4									
≥ 700 ; ≥ 600 °							81.0									
		44.8					81.7									
≥ 500 ≥ 400 ±																
		44.8	55.6	63.3	74.4	75.0	81.7	25	97.4	90.2	71.4	96.6	73.6	94.2	05 8	75.4 57.3
2 300 2 700 -		144.0	55.4	R.EA	74.4	75.0	81.7	05.1	87.7	3002	71.0	72.0	(	95.4	96.4	00.7
<u> </u>							81.7									
2 30 2							81.7									
		· 17 • Q	33.0	22.01		.,,,,	01011	1001	3/0/	70.0	<u>/107</u>	73 e U	77.4	1201		· UV • V

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_

USAF ETAC 100 0-14-5 (OL A) mevious comons of this follow and obsolute

DATA PROCESSING PRANCH USAF ETAC AIR REATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

3405C PAMSTEIN AP PL

56-70,73-77

· JAAR

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0500-1100

SELNS _							- 5 :	· * 5"A	"J"E M E							
tee	≥*0	20	<b>2</b> 5	24	2 -	≥2	21	≥	≥ .	≥	3 .	≥ .	≥	≥5 o	٤.	≥:
NO 18 L NU 2 20000				18.5												
2 8000				23.4												
3 500				23.5												
≥ 45%				24.2												
2 1000 				25.2												
2 0000 2 9000				26.3												
2 5 00				27.2												
2 30				28.9												
2 500C				29.6												
≥ 5000				31.3												
≥ 450′				32.6												
2 45%				35.1												
≥ 35X				38.3												
2 3XX				45.5												
≥ 1500 ≥ 2000				49.5												
≥ 500				56.8												
2 -55€				60.8												
2 70C				62.6												
≥ 300				64.3												
<u>≥</u> 700		45.	55.1	64.5	77.3	78.9	34.1	87.0	59.5	91.8	92.5.	92.8	93.0	93.2	93.2	93.
305 ≤		45.2	55.2	64.8	77.7	79.4	83.2	58.3	90.8	93.4	94.1	94,4	94.7	95.2	95.2	95.
≥ 73C		45.2	55.2	64.8	78.2	79.8	85.8	89.1	91.7	94.5	95.2	95.5.	95.5	96.2	96.2	96.0
≥ 600				64.8												
≥ 500 ≥ 400				64.8												
				64.8												
≥ 500 ≥ 200				64.8												
≥ X.				64.8												
2 0				64.8												

TOTAL NUMBER OF OBSERVATIONS

\_\_\_930

USAF ETAC 1084 0-14-5 (CL A) MENOUS EDITIONS OF THIS FORM ARE DESCRIBE

JAIA PROCESSING PRANCH USAF EIAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

3405c RAMSTEIN AP OL

56-7.,73-77

vis to grants will

\*...

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1500-1400

5	≥ ^	≥ 5	25	24	23	2:	ż.	3	2 .	;	2 •	2:	2	<b>25</b> 5	≥ .	≥:
NO 15.5		21.9	24.0	25.9	27.7	27.8	25.0	28.0	28.0	28.0	28.0	28.0	25.0	28.0	28.0	0.85
≥ 27% .		26.5	28.7	30.8	33.2	33.3	33.5	33.5	33.7	33.7	33,7	33.7	33.7	33.7	33.7	33.7
2 8000		27.1	29.7	31.8	34.3	34.4	34.0	34.6	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
2 571		27.1	29.8	31.9	34.4	34.5	34.7	34.7	34.8	34.8	34.8	34.0	34.8	34,8	34,8	14.8
≥ -4000		27.7	30.4	32.6	35.1	35.2	35.4	55.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 2000		27.4	31.2	33.3	35.8	35,9	30.1	36.1	30.2	36.2	36.2	36.2	35.2	36.2	36.2	35.2
≥ 10000		39.2	33.0	35.2	37.5	37.7	30.0	38.0	38.1	38.1	38.1	39.1	38.1	38.1	38.1	38.1
2 900.		30.8	33.5	35,7	38.7	33.3	34.5	33.5	38.6	35.6	38.0.	35.5	38.6	38.6	39.0	38.6
≥ 9.70							40.0									
2 '36	, 						41.8									
≥ 550		33.2	36.7	35.5	42.4	42.8	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
5076		34.3	37.7	40.8	43.8	44.2	44.7	44.7	44.8	44.8	44.8	44.5	44.8	44.8	44.8	44.8
> 45 €		36.5	40.1	43.2	46.7	47.1	47.7	47.8	45.1	48.1	48.1	48.1	48.1	48.1	48.1	48 • 1
± 40x3		40.2	44.3	47.5	51.1	51.5	52.2	52.3	32.5	57.5	52.5	52.5	52.5	57.5	52.5	52.5
≥ 3500		45 • 2"	49.9	53.5	57.3	57.3	58.5	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 3000	; 	53.8	59.0	63.4:	67.7	65.3	65.9	69.2	69.5	5.00	69.5	69.5	69.5	69.5	69.5	69.5
≥ 2500							75.2.									
≥ 2000	) 	63.5	70.2	74.7	79.9	80.6	81.3	31.7	81.9	81.9	81.9	51.9	81.9	81.9	81.9	81.9
≥ :800							83.4									
≥ 500	; _ <b></b>						89.0									
≥ 230																92.8
≥ 360	· 						94.5									
≥ 900				84.	92.3	93.4	94.0	95.6	96.0	96.3	96.3	96.3	96.5	96.5	96.5	96.5
. ≥ 800	) !						95.3									
≥ 700	; ;															28.3
3 10							95.5									
≥ 500 ≥ 400	)															99.7
2 400	) <u> </u>						95.5									
≥ 300		69.9	77.4	84.1	92.5	93.9	95.7	97.8	90.6	99.5	99.7	99.8	99.9	99.9	99.9	99.9
≥ 200	· <u> </u>	69.9	77.4	84.1	92.5	93.9	95.7	97.8	98.6	99.5	99.7	99.8	95.9	99.9	99.9	99.9
≥ 'X	*	69.9	77.4	34.1,	92.5	93.9	95.7	97.8	98.6	90.5	99.7	99.8	99.9	99.0	99.9	99.7
. ≥	' i	69.9	77.4	84.1	92.5	93.9	95.7	97.8	98.6	99.6	99.8	99.9	100.0	100.0	00.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_

USAF ETAC. 4084 0-14-5 (OL A) MENOUS EXTRONS OF THIS FORM ARE DISOLETE

DATA PROCESSING RAWCH USAF ETAC AIR FEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE 1500-1700 - FROM HOURLY OBSERVATIONS

of No.							* -	s	1.18 M B							
: <u>65</u> -	_ =	2:	3.	24	<u> </u>	≥;	<b>2</b> :	<u>&gt;</u>	2	2	<u> </u>	2	<u>&gt;</u>	23.5	- ·	5:
NO 16 No		23.3 34.2	29.9	30.4 37.0	31.0	31.0	31.1	jl.l ن7.6	31.1	31.1	31.1	31.1	31.1 37.0	31.1 37.6	31.1	31.1 37.5
2 *050		34.2	37.0	37.8	38.4	39.4	35.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5 39.0	33.5	38.5
2 1 %		37.2	39.7	40.8	41.3	41.3	4,5	41.5	41.5	41.5	41.5	41.5	41.5	40.2 41.5	41.5	41.5
≥ \$ or 		40.2	42.7	43.8	44.0	44.5	44.8	44.8	44.3	44.8	44.8	44.9	44.8	43.9 44.8	44.8	44.8
2 8 VX 2 70X	•	43.9	46.5	48.0	48.5	48.3	44.0	49.0	49.0	49.0	49.0	49.1	49.1	46.8 49.1	49.1	99.1
2 5000 2 5000	•	48.6	52.4	53.5	54.5	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.4	51.7 55.4	55.4	35.4
2 400c 		57.0	51.0	62.7	54.4	64.2	64.8	64.8	64.8	64.8	64.5	64.8	64.9	60.0 64.9	54.9	64.9
2 300 ≥ 3500	<del>-</del> _	59.1	74.1.	76.1	78.5	78.7	79.4	79.4	79.4	79.4.	79.4	79.4	79,5	79.5	79.5	79.5
≥ 200		76.8	32.8	25.5	88.5	88.7	A9.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6 91.1	89.6	39.5
2 'SX		30.4	86.9	90.0	93.2	93.4	94.3	94.3	94.3	94,3	94.3	94.3	94.4	94.4	94,4	94.4
2 300		<u>a</u> ∩.9	87.7	91.1	94.0	95.2	97.0	97.3	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7
2 800 2 700	·	60.9	87.7	91.1	95.2	95.4	97.4	97.8	98.2	98.3	98.3	93.4	98.5	98.7	98.7	98.7
≥ 600	<del>-</del>	80.9	37.7	91.1	95.2	95.4	97.5	98.1	98.5	99.0	99.0	99.1	99.2	99.5	99.5	99.5
2 400 2 300 3 300	<del></del>	60.9	. ל ים	91.1	95.2	95.4	97.5	98.1	98.7	99.2	99.2	99.4	99.7	99.9	100.0)	00.0
2 200 2 30 2 5		80.9 80.9 80.9	5:.7	9: . 1	95.2	95.4	97.5	98.1	98.7	99.2	99.2	99.4	99.7	100.0	100.01	0.09
	• — —			:			<del></del> _							20731		Y

USAF ITAC " 0-14-5 (OL A) MEMOUS EDITIONS OF THIS FORW ARE OBSCRIPE

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EATA PROCESSING PRANCH USAF ETAC AIR LEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

34.50 RAMSTEIN AR OL

5K-7 ,73-77

W. W. -

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1905-5000 |

+£6	≥ 1	<u> </u>	≥.	24	ž.	21	2 -	2	≥ .	2	≥ .	≥ ,	2	೭> >	2.	25
NO TE NO		4.1٤	33.0	34.3	35.1	35.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
2 179X				40.3												
2 3.6%		37.1	39.0	40.5	41.5	41.6	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
		37.7	39.9	41.4	42.4	42.5	47.8	42.8	42.9	42.9	42.9	42.0	42.9	42.9	42.9	42.9
≥ 450		38.5	41.0	42.5	43.5	43.7	44.1	44.1	44.2	44.6	44.2	44.2	44.2	44.2	44.2	44.2
= 130				43.5												
≥ 10000				45.7												
> 600.				46.3												
≥ ÷000				49.6												
2 1000				51.7												
≥ 6300				55.4												
5000				59.0												
≥ 4500				64.0												
2 4300				67.4												
≥ 3500 ≥ 3000				71.8												
				77.6												
≥ 2590 ≥ 2000		_		61.3	-	_	•			-						
				84.5												
≥ 1900 ≥ 1500																91.0
				87.8												
≥ 100 ≥ 1000				26.5												
				88.6												
≥ %X ≥ 8X																96.9
				88.7												
≥ 100 ≥ a00				88.7												
	<del></del>			88.7												
≥ 500		76.0														
<u> </u>		78.0														
; ≥ 300 ≥ 200																99.9
																99.9
≥ '∞																100.0
1		/5.0	53.7	88.7	73.9	74.2	76.01	48.Z	70.0	14.5	<del>yy.4</del>	77.00	77.7	44.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC "OF B-14-5 (OL A) PRIVIDES EUTONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING RRANCH USAH ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AT DE

PERCENTAGE FREQUENCY OF OCCURRENCE

55-7.,73-77

FROM HOURLY OBSERVATIONS

2100-2300

¥,5°							. 5 8	. ** .**		5						
ŧĒĒ.	2	≥3	٥,	2.4	2:	2:	2.7	=	2 .	₫	٤٠	კ.	-	25 5	<u>.</u>	≥≎
NO 151N 237900										41.3						
2 8000 2 8740	-	3F.2	40.0	41.8	44.3	44.5	45.2	45.6	45.7	45.9 46.0	45.9	45.9	46.2	45.5	45.6	46.5
≥ 4000 2 1000		39.7	41.2	42.4	44.8	45.2	42.7	45.1	46.2	46.5	46.5	46.5	46.5	47.0	47.1	47.1
5 5/60 5 1000		40.5	43.5	44.8	47.4	47.7	4 7 . 3:	48.7	43.8	49.0 49.9	49.0	49.0	49.4	49.6	49.7	49.7
2 8000 2 7000		47.7	45.7	47.2	49.5	50.1	56	51.1	51.2	51.4	51.4	51.4	51.7	51.9	52.0	52.0
3 50% 2 50%		32.6·	55.9	57.6	60.8	61.1	61.7	02.2	52.3	57.6 62.5	52.5	62.5	52.8	63.1	63.2	63.2
2 4°% 2 4000		56.1 58,8	59.9 52.0	64.7	68.4	65.7	59.4	56.8 59.8	56.9	67.1 70.1	67.2 70.3	67.2 70.3	67.5 70.6	67.8' 71.0	68.0 71.1	68.0 71.1
2 3500 ≥ 0000		06.3	70.4	72.9	76.9	77.2	77.8	78.4	78.5	74.8 78.8	79.0	79.0	79.4	79.7	79.8	79.8
≥ 2000 ≥ 2000		71.3	76.0	79.5	84.3	84.6	85.5	86.1	8c.3	81.7	87. L	<b>37.1</b>	97.4	87.7	87.8	87.8
≥ 300 ≥ 500		74.3	79.9	83.5	88.5	88.9	59,9	90.4	90.6	88.2' 91.2	91.5	91.5	91.8	92.2	92.3	92.3
5 500 5 500	1	75.3	81.6	85.8	91.6	92.3	93.5	94.4	94.7	93.7	95.6	95.6	95.9	96.2	96.3	96.3
2 70C 2 80C		. 75.3	31.6	85.5	91.9	92.6	93.9	95.1	95.5	95.8 96.0	96.5	96.5	97.0	97.3	97.4	97.4
≥ "Œ			31.6	86.0	92.5	93.1	94.6	96.0	96.7	97.4	97.8	97.8	92.4	99.7	98.8	98.8
≥ 500 ≥ 400		75.3	81.6	86.0	92.5	93.1	94.7	96.3	97.0	97.6	98.2	98.2	98.7	99.0	99.1	99.1
≥ 300 ≥ 200		75.3	81.6	86.0	92.5	93.2	94.8	96.6	97.2	98.1' 98.3	98.7	98.7	99.2	99.7	99.9	99.9
≥ 30	<del>-</del>									98.3 98.3						

TOTAL NUMBER OF OBSEPVATIONS 93(

USAF ETAC CAN G-14-5 (QL A) PRIVIOUS IDITIONS OF THIS FORM AND OSSIGNED

DATA PRICESSING FRANCH JSAF ETAC AIR JEATHER SERVICE/FAC

400

200

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#### CEILING VERSUS VISIBILITY

50-7 ,73-77 REMSTEIN AR OL PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

\_\_\_ALL

NO 6 N. 24.9 27.1 28.8 31.1 31.3 32.0 37.5 32.8 33.0 33.2 33.7 33.4 33.7 33.6 34.: 2.79% 2 830. 33.5 36.2 36.5 37.3 37.8 38.2 38.5 38.7 38.9 39.0 39.3 29.5 39.7 2 678 29.4 32.0 33.8 36.5 36.7 37.5 38.1 38.5 38.8 39.0 39.1 39.2 39.6 39.7 40.6 20.0 32.0 34.4 37.1 37.4 34.2 38.7 39.1 39.4 39.7 39.8 39.9 40.2 40.4 40.4 2 4 X.c. ≥ 300c 30.5 33.2 35.1 37.c 38.1 34.9 39.5 39.9 40.2 40.4 40.5 40.7 41.0 41.2 41. 2 499 2 999 31. 34.8 36.8 39.5 39.8 4.6 41.2 41.7 42.0 42.2 42.3 42.4 47.8 43.0 43.2 32.5 35.4 37.4 40.2 40.5 4:.3 41.9 42.4 42.7 42.9 43.0 43.2 43.5 43.7 43.3 24.0 37.0 39.2 42.0 42.4 43.3 43.9 44.3 44.0 44.9 45.7 45.2 45.5 45.7 45.3 2 9.50 2 134 35. - 38.5 40.7 43.0 44.0 44.9 45.6 46.1.46.5 \$6.7 46.5 47.0 47.6 47.6 47.5 2 5000 \_ 5030 37.2 40.0 43.0 45.9 46.4 47.3 48.2 48.7 49.0 49.3 49.4 49.5 50.0 50.2 50.-39.9 43.0 46.1 49.3 46.8 51.0 51.7 52.2 52.6 52.9 53.7 53.2 53.6 53.8 54.1 47.8 46.7 49.3 53.0 53.5 54.8 55.5 56.2 56.5 56.3 57.0 57.2 51.5 57.9 58.2 2 4500 2 4000 45.9 50.0 52.8 55.7 57.3 5d.6 59.3 59.9 60.3 60.5 65.8 61.0 61.4 61.7 61. 4°,5 54.0. 57.1 61.2 61.8 62.1 03.9 64.5 64.9 65.2 65.3 65.6 66.0 66.3 66.5 ≥ 3500 54.4 59.5 63.0 67.5 68.0 69.4 70.3 70.8 71.3 71.6 71.7 72.0 72.5 72.7 73.6 57.4 62.6 66.7 71.6 72.2 73.7 74.6 75.2 75.6 75.9 76.1 76.3 76.8 77.1 77.4 2 3000 2 25% 2 25% 07.7 66.9 71.1 76.5 77.2 73.8 79.7 80.4 80.9 81.2 81.4 81.6 82.1 32.4 52.7 61.7 68.0 72.5 77.9 78.6 83.3 81.2 81.9 82.5 62.8 83.0 83.2 83.7 84.0 84.5 2 800 2 500 04.7 71.1 76.0 82.1 82.9 84.7 55.7 86.4 87.0 67.3 67.5 97.8 83.3 88.5 88.7 65.3 72.5 77.8 84.5 85.3 87.4 83.6 89.3 90.0 90.3 90.5 90.8 91.3 91.6 91.9 2 500 65.7 73.2 78.8 86.2 87.1 89.7 91.0 92.0 92.7 93.1 93.3 93.6 94.1 94.4 94.6 05.7 73.3 79.0 86.5 87.5 90.2 91.6 92.5 93.3 93.7 93.9 94.2 94.7 95.0 95.4 65.8 73.3 79.1 86.7 87.7 95.3 \$2.3 93.7 94.1 94.5 94.9 95.1 95.7 96.0 96.-⊃uc 820 ≥ °X ≥ 600 5'.8 73.5 79.2 87.0 88.0 90.9 92.8 93.9 94.8 95.2 95.5 95.E 96.4 96.7 97.1. 05.9 73.5 79.3 87.2 88.2 9; 2 93.2 94.3 95.5 95.9 96.1 96.5 97.1 97.4 97.° 

65.8 73.5 79.3 87.2 88.2 71.4 93.7 95.0 96.4 97.0 97.3 97.8 98.5 99.0 99.4 65.8 73.5 79.3 87.2 88.2 91.4 93.7 95.0 96.5 97.0 97.3 97.8 98.7 99.1106.c

> TOTAL NUMBER OF DESERVATIONS\_ 7437

USAF E AC SE 0-14-5 (OL A) MITWOUS EDITIONS OF THIS FORM ARE OSSORIES CATA PROCESSING RANCH USAF ETAC AIR SEPVICE/MAC

### CEILING VERSUS VISIBILITY

34050 RAMSTETY AF OL 96-7.,73-77

May an

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY DESERVATIONS

0<u>0005-0</u>50 v

*****							<b>≠</b> 5 :	<b>.</b>	Tuta y a	-						
	ž ·	20	>	2+	<u> </u>	ž.	;;	?	2	2	· ·		<i>:</i>	2: =	3	≥ -
√ ( ) √ .				47.1												
<u>: 1000.</u>		46.3	49.8	50.7	52 · <u>‡</u>	52.4	3,00	<u> </u>	<u>53.2</u>	53.7	53.3	<u>: • [ ک</u>	54.U	34.2	54.0	<u>55.3</u>
2 500				51.0												
2 5				51.7												
2 400		47.6	50.6	51.4	50.1	53.2	5,.3	>3.7	54.0	54.5	54.0	54.5	54.5	55.0	55.3	56 • l
2 7001				52.7												
		50.1	53.1	54.2	55.7	55.0	35.2	56.7	57.0	57.6	57.7	57.7	57.9	58.1	58.5	59.2
2 ×300		27.4	53.5	54.6	50-2	50.3	55.6	27.0	57.3	57.9	56.3	58.0	58.2	58.5	58,8	59.5
2 3.00		⇒7. <del>9</del>	36.2	57.5	59.2	59.4	50.0	5C.1	5J.0:	51.1	51.6	61.2	61.5	61.7	62.0	52.9
2 130%		55.C	58.4	59.7	61.5	61.7	51.9	52.6	63.0.	63.6	63.7	63.€	64.0	64.3	54.0	65·5
2 5000		57.3	50.6	61.3	53.5	64.0	54.3	04.9	65.4	65.9	66.3	06.1	66.4	66.5	46.9	67.8
2 5000		c?.1	55.9	67.3	59.4	69.5	7 ; . 0	70.7	71	71.7	71.8	71.9	72.4	72.4	72.7	73.5
4550		ò3.6	57.7	69.3	71.5	71.7	71.2	72.8	73.3	73.8	73,9	74.1	74.3	74.5	74.5	75.7
_2 =30€		67.4	71.6	73.2	75.4	75.5	70.1	75.7	77.2	77.7	77.8	78.0	76.2	78.4	78.7	79.6
2 250k				76.4												
2 7000		77.4	70.2	78.4	80.7	81.0	81.4	62.1	82.5	83.1	33.2	83.3	33.5	83.7	34,1	85.C
≥ 150¢				31.0												
≥ 2000				83.3												
≥ 800				54.1												
≥ Sü <sub>k</sub>				\$5.5	-			_					•			
- 2 X				89.1												
≥ 300				90.0												
: 20%				90.0												
2 800 2 800	_			90.2												
2 W																99.3
≥ 500		52.0	87-4	90.5	92.3	93.8	95.3	95.1	26.5	97.1	97.3	97.4	97.7	98.2.	98.6	99.4
± 500																99.8
2 400		82.0														
≥ 30c																100.0
2 200				90.6												
<u> </u>																100.0
. ≥ ± 2 °																100-0

HISAF FIAC THE 0-14-5 (OL A) remote tortoe or the form are obtain

DATA PROCESSING PRANCH USAF LIAC AIR MEATHER SERVICEMMAC

### CEILING VERSUS VISIBILITY

34U20 RAMSTELN AP DL

AIGN NAME 00-7. ,73-77

<u>V</u>δ Å

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u>0300-0500</u>

CEHING FFET "		<del></del> -					v 5	BILITY OF	A" ."E MIL	F <						
	0′≤	6	_ ≥5 .	ž 4	≥ 3	≥2	≥ 2	≥1	≥1.4	≥ .	2.4	≥`,	≥	25 '6	≥ .	≥0
NO CEILING ≥ 20000		34.P 37.N	38.4 45.7	39,5 41.8	42.9	43.4	44.4	44.6	44.8	45.2	45.2	45.3	45.5	45.7	45.8	46.3
≥ 18000 ≥ 16000		21.4	41.3	42.2	42.7	45.	47.2	47.4	47.6	47.9	48.1	48.2	45.4	48.7	48.8	49.4
≥ 14000 ≥ 12000		3º.3	41.9 42.9	43.0	40.5	47.1	40.1	48.3	48.5	48.8	48.9.	49.1	48.6	~∙6	49.7	50.3
≥ 10000 ≥ 9000		41.9	45.7	46.8	50.5	50.9	52.2	52.4	2.7	53.1	53.2	23.3	53.5	53.8	50.8	54.5
≥ 8000 ≥ 7000		43.9	47.9	49.3	53.0	54.1	55.4	55.6	50.0	56.3	56.6	56.7	54.1 57.0	57.3	57.4	55.0
≥ 6000 ≥ 5000		45.9	51.4 54.5	53.1	57.7	58.2	5).	59.8	60.2	60.5	60.a	61.0	61.2	61.6	61.8	07.4
≥ -500 ≤ 4000		52 1	56.7 59.7	58,7	64.0	64.4	50.0:	66.3	66.9	67.2	67.5	67.6	67.9	65.4 68.4	65.6 68.6 72.3	69.2
≥ 3500 ≥ 3000	14,0	57.	52,11 66.0	64.3	69.7	70.2	74.2	72.7	73.3	73.6	74.0		74.3	74.9	75.1 79.9	75.9
≥ 2500 ≥ 2000		63.1	68.1 71.5	71.0	76.8	77.2	73.2.	79.8	80.3	80.6	81.1	81.7	81.4	82.0 86.7	82.2 86.4	83.0
≥ 1800 ≥ 1500		ბ7.0 ხº.1	72.3	75.6	81.8	82.2	84.3	84.9	35.4	85.8	86.2	86.3	89.8	87.1	87.3	88.1
≥ 1000 ≥ 1000		70.3 71.3	11.3	81.4	88.4	89.0	91.2	91.9	92.4	92.8	93.2	93.3	93.5 95.0	54.1	94.3	95.1
≥ 900 ≥ 800		71.3	18.4	82.8	39+8	90.3	92.7	13.3	93.9	94.2	94.7	94.8	95.0 95.9	95.6	95.8	96.6
≥ 700 ≥ 600		71.3	18.4	83.1	90 - 2	90.9	93.4	94.1	94.9	95.3	96.0:	96.1	96.3 96.6	96.9	97.1	97.9
≥ 500 > 400		71.3 71.3	78.4 78.4	83.2	90.3	91.0 91.0	94.1	94.9	95.8	96.2	96.9	97.0	97.2	97.8 98.0	98.0	98.8
300 ± 200		71.3 71.3	78.4	83.2	90.3	91.0 91.0	94.2	95.1	96.2 96.2	96.7 96.7	97.3. 97.4	97.6	97.7 97.8	98.2	98.4	57.2
≥ 100 ≥ 0		71.3	18.4	83.2	40+3	31.0	94.2	95.1	96.2	96.7	9724	97.6	97.8 97.8	98.6	99.11	06.00

TOTAL NUMBER OF OBSERVATIONS

899

USAF ETAC 1044 0-14-5 (OL A) PREVIOUS EDITIONS THIS FORM ARE CASOLETE

DATA PRICESSING BRANCH USÁF ETAC AIR MEÁTHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

3405C RAMSTEIN AR PL

:6-7:.73-77

PERCEN! AGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CEILING ,							V'\$1	BIL TY STA	3. M STUT	>						
reet i	≥'0	≥6	≥ 5	21	≥3 ,	≥2;	≥ 2	≥';	≥1.	≥1 1	≥ 4	≥ .	2	≥5 16	<b>&gt;</b> ,	≥0
CEILING ≥ 20000					36.2							•				36 • 40 •
≥ 180C0 1		27.7	30.7	32.9	36.9	37.8	39.2	39.7	39.9	40.3	40.7	40.7	40.7	40.8	4., 9	41.
≥ 14000 ≥ 1.(00		29.5	31.6	34.0	38.0 39.1	38.9	40.3	40.8	41.0	41.4	• • 0	41.2	41.1	41.9	42.0	42.
≥ 9060 ≥ 9060		31.3	34.7	37.4	40.9	42.7	44.3	44.8	45.0	45.6	45.0	46.0	46.0	46.1	40.2	46
≥ 8000 > 7000		34.0	38.0	40.9	45.2	46.4	45.3	49.0° 51.3	49.21 51.5	49.8 52.1	50.2	50.2 52.5	50.2	50.3 52.8	50.4	51 · 53 ·
≥ 5000 - 5000		38.4	43.4	46.8	49.2. 52.0.	53.4	55.8	56.7	57.	57.6	58.0	58.0	58.0	58.2	58.4	59
≥ 4500 ≥ 4000					55.0° 57.4°											
≥ 35^0 ≥ 3000		47.0	53.9	57.9	60.2 63.8	65.6	68.4	69.7	73.1	71.0	71.4	71.4	71.4	71.7	72.1	72
≥ 2500 ≥ 2000		54.2	61.8	66.9	73.	75.7	79.0	<u>δΩ•3.</u>	81.0	82.0	82.4	82.4	82.4	82.8	23.2	83
≥ 1800 ≥ 1500		56.9	65.4	71.0	75 • 1 78 • 2	80.0	ð ± . 9	85.4	86.1	87.1	87.6	87.6	87.0	37.9	88.3	38
≥ 1200 ≥ 1000		58.1	67.0	73.3	80.4 81.2	83.1	87.6	89.7	90.6	91.9	92.0	92.6	92.8	93.2	93.7	94
≥ 900 ≥ 800		58.2	67.6	74.1	81.7 82.3	84.3	89.0	91.2	92.2	93.6	94.2	94.2	94.4	94.9	95.3	95
≥ 700 ≥ 600	·	58.2	67.7	74.2	82.7 82.7	84.7	89.3	91.7	92.8	94.1	94.8	94.8	95.0	95.4	95.9	96
≥ 500 ≥ 400		58.2	67.7	74.2	82.7 82.7	84.7	89,3	91.7	92.8	94.6	93.2	95,2	95.4	96.0	96.6	77
≥ 300 ≥ 200		58.2	67.7	74.2	82.7 82.7	84.7	89.3	91.8	92.9	94.8	95.4	95.4	95.7	96.0	97.3	98
≥ 100					82.7 82.7											

USAF ETAC 2004 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UATA PROCESSING PRAMER USAF ETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN 49 PL

66-7,73-17

- APR

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS:

CEIUNG							VISI	BIL Y STA	.T.*E ₩ d	ē						;
FEET	≥10	≥ć	≥5	2.4	≥ 3	≥2	2:	≥'.	≥, •	2	≥ .	≥ .	≥ ;	25 16	≥ .	2 )
NO CEIUNG ≥ 20000				30.9°		37.4	33.2	33.4 38.0	33.7 38.2	33.8 38.3	33.8 38.3					33.1
≥ 180€3 ≥ 16000		31.9 _32.1	34.3	36.0	38.1	38.3	30.7	38.9	39.1	39.2	39.2	39.2	39.3	39.3		39.3
≥ 14000 ≥ 12000			35.7	37.3 38.2	39.4	30.8	43.1	40.3	40.0	40.7	40.7	40.7	40.8	40.8		
≥ 10000		35.8	38.4	4C.1 40.7	42.3	47.6	4, 9	43.1	43.3	43.4	43.4	43.4	43.0	43.6	43.6	
≥ 8000 ≥ 7000		38.1	41.1	43.1	45.4	45.9	40.3	45.7	40.9	47.0	47.0.	47.0	47.1	47.1	47.1	47.2 49.8
≥ 6000 _ 5000		41.4	44.7	46.8	49.3	49.9	50.3	50.7	50.9	51.0	51.0.	51.0	51.1	51.1	51.1	51 • 2 54 • 2
≥ 4500 ≥ 4000		46.1	49.8	51.9 55.7	54.9	35.6	50.0	56.3	56.6	56.9	56.9.	55.9	57.0	57.0 61.2	57.0 61.2	57•1 61•3
≥ 3500 ≥ 3000		53.9 00.1	57.3 64.4	66.9	63.4 70.3	71.0	64.6 71.4	05.0 71.9	65.2. 72.1	65.6	72.6	65.6 72.6	65.7 72.7	65.7 72.7	65.7 72.7	5.8 72.8
≥ 2500 ≥ 2000		<u>. 08.9</u>	73.9	72.2 77.1	81.8	82.6	3 1.6	34.1	84.4	84.9	84.9	84.9	85.0	78.6 85.0	78.6 85.0	78•7 85•1
≥ 1800 ≥ 1500		73.6	79.0	79.0 83.0	87.9	88.8	90.0	90.8	91.1	91.6	91.0	91.6	91.7	86.9 91.7		87.0 91.8
≥ 1200 ≥ 1000		74.9	81.4	86.0	92.0	93.2	94.8	95.6	96.0	96.7	96.7	96.8	96.9	94.4 96.9	96.9	94.6 97.0
≥ 900 ≥ 800		75.2	62-1	86.4	93.2	94.4	96.3	97.2	97.8	98.4	98.6	98.6	98.7	98.7	98.7	98.8
≥ 700 ≥ 600		75.2	82.1	86,91 86.4	93.6	94.8	96.7	97.9	98.4	99.1	99.2	99.2	99.3			99•3 99•4
≥ 500 ≥ 400		75.2	82.1	86.9	93.0	94.8	90.7	98.0	98.7	99.3	99.4	99.4	99.6	99.7	99.7	99•6 99•8
≥ 300 ≥ 200		75.2	82.1	86.9 86.9	93.6	94.8	96.7	98.0	98.7	99.3	99.7	99.7	99.8	99.9	99.9	00.0
≥ 100 ≥ 0	<u> </u> 			86.9 86.9												

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC 100 00 0-14-5 (OL A) PREVIOUS EUTIONS OF THIS FORM ARE OBSOLET

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SEPVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-1400

-- APR--- |

CEL NO							v 5	8 ° 5'A	","E MILE	5						
tëE.	≥*≎	٤٠	≥ 5	24	≥:2	≥2	27	≥'	2 .	2	≥ •	2 .	÷	25 5	≥.	≥:
NO TERNA _ ≥ 21960		36.7	36.5	36.7	37.6	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	30.9 37.3	37.3
≥ 8000 ≥ 6000		۶7.۵ 37.4	37.4 37.7	27.5 37.9	38.0 38.4	38.0 28.4	34.0	38.5 38.5	38.2. 38.5	38.2 38.5	38.2° 38.5	38.2 38.5	38.2 38.5	38.2 38.5	38.2° 38.5	38 • 2: 38 • 5
≥ 4004. ≥ 20%	-	39.7	39.0	39.3	39.7	39.7	31.7	39.8	39.8	39.8	39.8.	39.3	39.5	39.8	39.2 39.8	39.8
2000. ≤ 2000	•	41.6	41.9	42.2	42.0	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	41.7 42.7	42.7
≥ 5000 ≥ 7066	·	44.2	44.6	45.1	45.0	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	44.2 45.7	45.7
≥ 60KY ≥ 5000		48.3	48.7	49.2	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.9.	49.6	49.8	46.8	49.8
≥ 4500 ≥ 4606 ≥ 3500		56.8	57.5	58.0	58.6	58.7	5-5.7	58.8	58.3	58.8	58.8	58.5	58.8	59.8	52.6 58.8 66.0	58.8
≥ 3500 ≥ 3000 ≥ 2500		75.1	76.0	76.8	77 • 5.	77.6	77.0	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9 82.5	77.5
≥ 2000	<u> </u>	84.3	85.9	87.3	88.3	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8		88.8
≥ 1500	<u> </u>	8°.0	91.0	92.9	94.2	94.4	94.9	95.1	95.1	93.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	· <del> </del>	91.0	93.4	95.5	97.3	97.6	98.7	99.2	99.3	99.3	99.3	99.3	99.3	90.3	99.3	99.3
≥ 800	· · ·	91.0	93.5	95.7	97.8	98.0	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8		99.8
≥ 500	↓	91.1	93.8	95.9	98.0	98.2	99.3	99.9	00.0	100.01	00.0	00.01	00.0	100.0	100.0	00.0
. ≥ 400	<u>.</u> 1	91.1	93.8	95.9	98.0	98.2	99.3	99.9	00.0	00.01	00.0	00.0	00.0	100.0	100.0	00.0
≥ 200	-	91.1	93.8	95.9	98.0	98.2	99.3	99.9	00.0	100.01	00.0	00.0	00.0	100-0	100.0	00.0
≥ 0		91.1	93.8	75.9	98.0	93.2	99.3	99.9	00.0	100.01	00.0	00.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 100 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE GESCRETE

CATA PRICESSING PRAYOR USAF EIAC AIR SEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34059 RAMSTEIN AR ME

36-7 ,73-77

1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

je ×							, <u>\$</u>	8 ** ,*.	f m :							
FEE *	<b>2</b>	26	2	2.4	۷.	23	<u>2</u> .	<i>-</i>	٤.	2	2.	۷,	2	25 8	2 4	<b>≩</b> ∪
NO 1E NO		32.3	32.5	32.5	32.6	37.	30	32.6	32.6	32.6	32.0	32.6	32.0	32.6	32.6	32.6
2 13000							34.0									
≥ 83%		40.4	40.5	40,8	40.8	40.8	4 ,.8	40.8	40.8	40.8	40.3	40.9	40.5	40.8	40.3	40.8
£ 5°		41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
2 4000		42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 2000		43.6	43.9	43.9	43.9	43.9	45.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 3000							45.7									
≥ 9360							4:.2									
≥ 850€							5,.91									
≥ *306							5 7									
2 5000		55.2	56.	56.3	56.3	56.3	50.3	26.3	50.3	56.3	50.3	56.3	56.3	56.3	56.3	56.3
0, 500							62.1									
3 45%		03.7	64.9	64.9	64.9	64.9	64.9	24.9	64.9	64.9	54.9	54.9	64.9	64.9	64.9	54.9
2 400€		71.8	73.2	73.7	73.2	73.2	73.2	73.2	73.2	73.2	72 2	73.2	72 2	73.0	73.0	73.2
≥ 3\$5C		75.8	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77 4	77-4	77 4	77-4	77.4	77.4
≥ 3000							34.2									
≥ 2530							27.4									
≥ 2000		S7.E.	80 8	90.4	90.0	90.0	91.1	61 2	91 3	01 2	01 3	01.3	01.3	91 3	01 3	01.3
≥ 800		99 1	90.3	91 2	01.7	91 7	91.	92 0	92 0	02 1	93 1	91.03	9,3	92 1	92 1	22.1
≥ 1500		99 A	02 0	05 2	05 3	05 0	0 2	7640	72.0	72 + 1	7201	74.1	74.4	2641	76.4	7241
2 234		91 7	75.7	96 7	97 4	77.6	95.3	70.4	70 4	70 · 0	<del>90.</del>	30.0	73.0	70.0	70.0	70.0
3 .000																
. — —		71.0	77.0	07 3	70 . 2	90.3	99.0	77.2	99.4	77.0	99.C	97.0	99.0	77.0	20.7	99.0
2 900 2 300		31.5	77.7	97.2	70.3	70.3	99.1	9"+3	77.0	99.1	79.7	99.1	79.7	77.1	77.7	99.7
		31.3	75.7	97.3	98.6	70.6	99.3	99.7	79.9	100.0	00.0	00.0	100.0	00.0	100.0	roc.o
≥ 700 ≥ 500		1 21.42	72.7	91.3	98.6	98.5	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		91,9	95.9	97.3	98.6	98.6	99.3	99.7	99.9	00.0	10C.0	00.0	100.0	100.0	100-0	100.0
≥ 500		91.9	95.9	97,3	98.0	98.6	99.3	99.7	99.9	100.0)	100.0	100.0	100.0	100.0	100.0	100.0
		91.9	95.9	97.3	98.6	98.6	99.3	94.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		91,9	95.9	97,3	98.6	98.6	99.3	99.7	99.9	100.01	100.0	00.0	100.0	100.0	100.0	100.0
≥ 190		91.9	95.9	97.3	98.0	98.6	99.3	99.7	99.9	100.01	100.0	100.0	100.0	100.0	100.01	100.0
. ≥ 3€		91.9	95.9	97.3	98.6	93.6	99.3	99.7	99.9	100.0	00.0	00.0	100.0	00.0	100.0	100.0
. ≥ _0		91.0	95.9	97.3	98.6	98.6	99.3	99.7	99.9	100.0	100.0	00.0	100.0	100.0	00.0	100.0
																ستسحص

TOTAL NUMBER OF OBSERVATIONS 901

DATA PROCESSING RRANCH USAF ETAC AIR REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

ADDO RAMSTEIN AF PL 66-7.,73-77

- APO

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1405-5000

CF NO							۰ ۶	8 ** 5*4	*.*\$ * .6	5						
	≥ ^	≥ \$	≥ 5	22	۷.	2.	2 i	2	2 .	<u> </u>	2 +	2 .	<b>4</b>	25 €	<b>2</b> •	2.5
NO TE NO		49.P	41.6	41.3	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
2 27900		46.3	49.0	49.1	49.1	49.1	47.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2.	49.2
2 8000		42.3	50.0	50.1	50.1	50.1	>0+2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 5000		51.1	50 <u>.</u> 8	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ '4989		51.A	52.4	52.6	52.0	52.6	57	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 1500		52.9	54.7	54.8	54 · B	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54,9	54.7	54.9	54.9
∠ 3990		55.6	57.3	57.4	57.4	57.4.	57.6	57.0	57.6	57.6	57.0	£7.5	57.6	57.6	57.0	57.6
		27.8	58.6	58.7	58.7	52.7	53.8	53.8	58.8	58.8	58.8	58.9	58.8	58.8	58.8.	58.0
≥ 8000							5,0									
≥ "000							64.9									
2 50°X		57.8	58.7	68.8	60.0	68.8	55.9	55.9	68.9	68.9	68.9	08.0	58.9	68.9	58.7	68.9
2 509		71.3	72.4	72.7	72.7	72.7	7/.8	72.8	72.8	72.8	12.8	72.9	72.8	72.8	72.8	72.8
2 4500							75.6									
≥ 4500.							3 1									
≥ 3500							84.0									
≥ 3000							88.7									
≥ 250c							91.3									
≥ 2000		87.8	90.9	91.9	92.0	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 30€							94.1									
≥ '500	<u>.                                    </u>	20.9	93.4	94.8	95.6	95.8	9:.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1.00							98.0									
≥ 100							95.9									
2 956							95.9									
≥ 800							95.9									
≥ ~30		90.6														
≥ 500							99.0									
≥ 500							99.0									
≥ 4,0							99.0									
≥ 300							99.0									
≥ 200							99.0									
≥ ./0	!						99.0									
<u> ≥                                   </u>	<u> </u>	90.6	94.6	96.2	97.7	98.0	99.0	99.6	99.9	100.0	100.0	100.0	100,0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 90

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE

C

DATA PROCESSING \*\*KANEM USAF ETAC AIR -EATHER SERVICE/\*AC

## CEILING VERSUS VISIBILITY

34055 PAMSTETS AT TE

05-7<sub>3</sub>,73-77

APK

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

21<u>03-5300</u>

£££	 ≥`:															
	2 .	≥ s	≥ •	24	≥ 3	2:	≥;	2	≥ .	≥	٤.	≥ .	2	25 €	≥ .	2€
NO CENING 2 20000		49.1	50.7	50.8 55.7	51.6	51.6	51.8	52.0	52.0	57.0	52.2	57.2	52.3	52.4	52.4	52.4
≥ 8000		54.3	56.0	56.1	56.9	56.9	57.1	57.3	57.3	57.4	57.0	57.7	57.7	57.8	57.8	57.8
≥ 5%4		54.9	56.0	56.7	57.4	57.4	57.7	7.9	57.9	58.0	58.1	58.2	58,2	58.3	58.3	58.3
≥ 14000 ≥ 2000				57.7												
		20.7	50 3	58.4	59.2	39.2	<del>59.4</del>	59.1	59 · T	59,8	59.9.	60 c	<u>50.0</u>	<u>00+1</u>	90.1	60.1
≥ 9000		50.1	91 0	59.9 61.1	61 3	61 0	5,49	101	01.1	62.4	61.3	61.4	61.4	01.0	61.0	01.0
≥ 8000		$-\frac{3}{02}$	04.2	64.3	65.1	65.1	5 . 3	<u>06.2</u>	65.6	65.7	65. R	45.9	3 <u>Z. (</u> .	66.0	66.0	66.0
≥ 7000				66.9												
≥ 500€		67.4	59.7	69.	70.7	70.7	7 .9	71.2	71.3	71.4	71.6	71.7	71.7	71.8	71.8	71.8
5000				75.7												
≥ 450€		74.0	70.0	77.2	78.1	78.1	75.3	78.7	78.8	78.9	79.0	79.1	79.1.	79.2	79.2	79.2
≥ 4000		77.0	79.4	80.4	81.0	81.6	81.8	32.1	82.2	87.3	82,4	82.5	87.6	82.7	<u> 32.7</u>	32.7
± 3500 ≥ 3901				83.3												
	• ——	82.0	85.1	1.65	87.4	57.4	87.9	38.2.	88.3	88.4	88.6	83.7	88.7	88.8	88.8	88.8
≥ 2500 ≥ 2000		54+4 cc 7	3/.0.	88.9	90.0	90.0.	91.0	91.3	91.4	71.0	71.7	91.8	91.8	91.9	71.7	91.9
≥ ,800		86.2	30.0	90.4	92.9	92 0	97.0	92.7	93.0	93.1	94.0	93.3	<del>33.3</del> ,	94 2	92.0	1/200
≥ '500				92.6												
≥ 20.	<u> </u>	37.9	91.8	93.3	95.1	95.1	960)	96.4	96.6	96.7	96.8	96.9	96.9	97.1	97.3.	974
≥ 000	ı			93.8												
≥ 900				93.9.												
≥ 800		. 27.8	92.0	94.0	96+2	96.2	97.6	98.0	98.1	95.2	98.3	98,4	98.4	99.7	98.9	98.9
≥ 700 . ≥ 600		67.8	92.0	94.1	96.4	96.4	97.9	98.3	98.4	98.6	98.7	93.8	98.8	99.6	99.2	99.2
	<del>.</del> — –	87.9	92.1	94.2	96.6	96.6	98.1	98.6	98.7	98.8	98.9	99.0	99.0	99.2	99.4	99.4
≥ 500 1 ≥ 400	ł	87.9	2Z • T	94.2	90.0	70.0	75.2	98.9	99.0	99.1	99.2	99.3	99.3	99.6	99.5	99.8
	·	17.0	72.1	94.2	90.0	90.0	98.2	98.9	99 3	99.2	99.3	99.4	99.4	96 91	77.7	99.9
≥ 3 <i>3</i> 0 ≥ 200	•	87.9	92-1	94.Z	94.4	94.4	75 • £;	97.0	90.2	90.3	99.4	97.0	77.0	90.8	100.01	00.0
≥ 100	1	87.9	92.1	94.2	95.6	96.6	98.2	99.0	99.2	99.3	99.4	99.5	99.6	99.5	100-01	00.0
≥ 0		87.9	92.1	94.2	96.6	96.6	98.2	99.0	95.2	99.3	99.4	99.6	99.6	99.8	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 90

USAF ETAC 1016 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR HEATHER SEPVICE/MAC

#### CEILING VERSUS VISIBILITY

34055 RANSTEIN AP DL

66-7:1073-77

<del>-27-12-</del>

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

<del>⋌</del>ᢢ┖┞─

CERNG							÷1\$1	SKITY STA	TUTE MILE	15						
FEST .	≥'≎	≥6	ž ,	24	≥3	3:	۷.	≥.	≥1.	≥.	2 4	≥ .	2	≥5 15	-	<b>≩</b> ≎
NO CERING ≥ 20000										45.3						
20081 ≤ 3006 ≤		40.7	42.5	43.3	44.9	45.1	45.5	45.7	45.8	46.0	46.1	46.1	46.2	46.3	46.4	46.5
≥ 14000 ≥ 12000		42.0	43.9	44.7	46.3	46.5	45.9	47.1	47.2	47.4	47.5	47.5	47.6	47.7	47.7	48.0
≥ '000¢ ≥ '000¢		45.0	47.0	47.9	49.5	49.7	50.2	50.4	50-5	50.8	50.8	50.9	50.9	51.0,	51.1	51.3
≥ 8000 ≥ 7000										54.7						
≥ 6000 ≥ 5600										59.4 63.4						
≥ 4500 ≥ 4000		58.3	51.2	62.5	64.7	65.0	65.7	66.1	66.3		66.6	66.7	66.7	56.9	67.0	67 • Z
. ≥ 3500 ≥ 3000			74.2	75.9	78.3	78.8	79.6	50.0	80.2	80.5	30.7	80.7	80.8	80.9	81.0	31.3
≥ 2500 ≥ 2000		76.4	80.5	82.8	85.8	86.2	R 7.3	87.7	38.0		38.5	88.5	0.19	88.7	20.9	89.2
. ≥ 1800 . ≥ 1500		79.5	84.1	86.8	90.0	90.5	91.8	92.4	92.7	89.4 93.0	93.1	93.2	93.2	93.4	93.0	93.9
≥ 1200 ≥ 1000		80.8	86.2	89.3	93.1	93.6	93.3	96.1	96.4	95.4 96.8	97.0	97.1	97.2	97.4	97.5	97.8
≥ 900		80.9	86.4	89.7	93.6	94.2	90.0	96.8	97.2	97.1	97.8	97.8	97.9	98.2	97.8	98.6
> 700   ≥ 600		81.0	86.5	89.8	93.8	94.4	06.3	97.2	97.7	96.0 98.1	98.3	98.3	98.4	98.7	98.8	99.1
≥ 500 ≥ 400		81.0	86.5	89.8	93 - 8	94.4	90.4	97.4	97.9	98.4	98.0	98.7	98.7	99.0	99.2	99.5
≥ 300		31.0	86.5	89.8	93 <u>•8</u>	94.4	90.4	97.4	98.0	98.5	98.7	98.8	98.9	99.2	99.4	99.8
≥ 100 ≥ 0		81.0	86.5	89.8	93.8	94.4	96.4	97.4	98.0	98.5 96.5	98.7	98.3	98.9	99.2	99.5	00.0

USAF ETAC AND 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSCILLE

DATA PROCESSING ARARCH USAF ETAC AIK -EATHER SERVICESMAC

## CEILING VERSUS VISIBILITY

34050 RAMSTITE AR OL

56-7-13-77

nay Tay

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

0000-0200

181 50					_	V151	5 . **   \$* <b>^</b>	t te wie							
365*	≥10 , ≥6	≥:	≥ 4	23	<u></u>	≥?	ş.	≥ .	≥ ,	≥ .	≥ .	2	25 A	≥	≥0
NO CEIUNC ≥ 20000	and the second s	48.J.	49.4 53.2			51.0 55.1			51.3 55.5						53.0
≥ '8000 2008′ ≤	40.7	52.3	53.7 53.9	54.5	54.8	55.5	55.7	55.7	55.9	56.2	56.3	56.9	57.1	57.6:	57.7
≥ 14000 ± 12006	50.1	52.7	54.1 54.9	55.4	55.4	56.0	55.3	50.3	56.6	50.9	57.0	57.5	57.7.	58.3	58.4
≥ 10000 ≥ 9000		59.0	59.1 60.5	62.2	52.2	6 . 8	63.1.	63.1	63.3	63.7	63.ª	64.3	64.8	65.2.	05.3
≥ 8000 ≥ 7000			86.0 69.5												
≥ 6000 ≥ 5000			71.7 76.3										- •	77.1 82.0	- 1
≥ 4590 ≥ 4000	73.2 +75.3	76.9 79.0	78.8 21.0	80.9 83.0	80.9 83.0	81.5	62.0	82.2	82.4	82.7 34.8	83.2 85.4	83.8. 85.9	84.1	84.5	84.9 37.1
≥ 3500 ≥ 3000	76.6	80.4° 52.5	84.4	84 - 4 i 86 - 5	84.40 85.5	85.1	87.6	85.7 97.7	85.9 88.1	86.2 88.4	86.5° 88.9	87.3 89.5	87.6 87.8	88.2. 90.3	88.5 90.6
≥ 2500 ≥ 2600	80.2	84.0	85.2 87.0	89.5	89.5	90.1	90.6	90.A	91.1	91.4	91.9	92.5	92.8	93.3	93.7
≥ 1800 ≥ 1500	162.5	87.0	88.1	91.9	92.0	92.8	93.3	93.4	93.8	94.1	94.6	95.2	95.5	96.0	96.3
≥ 1200	83.7	88.4	90.0: 91.0	93.8	93.9	94.8	95.4	95.5	95.8	96.1	96.7	97.2	97.5	98.1	95.4
≥ 900 ≥ 800	8.88	88.5	91.1: 91.2:	94•0'	94.1	95.1	95.6	95.7	96.0	96.3	96.9	97.4	97.7	98.3	93.0
≥ 700	83.8	88.5	91.4	94.3	94.4	95.4	95.9	96.0	96.3	96./	97.2	97.7	98-1	98.6	98.9
≥ 500 ≥ 400	83.9	88.5	91.5	94.4	94.5	95.6	96.1	96.2	96.6	96.9	97.4	98.0	98.4	93.9	99.2
≥ 300 ≥ 200	83.9	88.6	91.5	94 . 4	94.5	95.6	96.1	96.2	96.6	97.0	97,8	98.4	98.8	99.6	95.9
≥ 100			91.5												

TO 'AL NUMBER OF OBSERVATIONS\_

930

USAF ETAC ALSI 0-14-5 (GL A) HEVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

DATA PROCESSING PRANCH USAF LIAC AIR FEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PANSTEIN AS TE SECONTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

0300-0500

CEUNG							٠ ; ;	5. °r §°A	","E v∙.E	ē						
ett.	≥`;	≥0	≥5	24	<b>-</b> 2 3	≩:	≥:	≥' .	≥ .	2.	٤.	≥ ,	≥ .	≥> 'a	2	≥¢
NO CE ( NO 2 20000				37.5 39.5												
≥ 5000 ≥ 16000		33.8	37.8	39.7	42.9	43.3	44.3	44.8	45.3	46.1	46.2	45.6	46.9	47.5	47.8	48.3
2 14200 2 1000		34.4	38.5	40.3	43.5	44.0	45.1	45.6	45.0	46.9	47.0	47.3	47-0	48.3	40.0	40.0
≥ .000 ≥ 900°		38.7	43.1	44.9	48.4	48.8	49.9	50.4	50.9	51.7	51.6	52.2	52.5	53.4	53.0	54.5
2 8.00 2 000		44.9	49.9	51.8 55.6	55.5	55.9	57.0	57.5	58.0.	58.8	58.9.	59.2	59.6	60.5	60.7	61.6
6000 1000				56.3 62.6			-					-		- 1		
2 45°°° ≥ 45°°°	·	59.5	66.2	65.1 68.9	73.4	73.9	74.9	75.8	76.2	77.2	77.3	77.7	78.1	79.2	79.8	30.8
≥ 3500 ≥ 3006	i	02.7	69.8	70.2 72.8	77.4	78.0	79.1	80.0	80.5	81.5	81.0	82.0	82.4	83.5	34.2.	85.2
≥ 2500 ≥ 2000	<u></u>	06.0	73.4	74.4	81.7	82.3	33.4	84.3	84.8	85.8	85.9	86.3	86.7	37.3	88.5	89.5
≥ 970 ≥ 1500		07.8	75.5	77,5	84.2	84.8	81.5	87.4	88.0	88.9	89.0	89.5	89.8	91.0	91.6	92.6
2 :000 2 :000		69.7	77.8		87.0	88.3	90.1	91.1	91.6	92.7	92.3	93.2	93.5	94.7	95.4	46.3
2 90C 2 80C		90.0	78.2	82.0: 82.5	88.4	89.0	9.7.9	91.9	92.6	93.7	93.8	94.2	94.5	95.7	96.3	97.3
≥ 700 ≥ 600		70.0	78.3	82.7 82.7 82.7	88.8	89.6	91.5	92.6	93.2	94.3	94.4	94.8	95.4	96.5	97.2	98.2
≥ 5.00 ≥ 4.00 ≥ 3.00		70 . O	78.3	82.9 82.9	89.1	87.9	91.8	92.9	93.5	94.7	94.8	95.3	95.8	97.0	97.0	98.5
≥ 200	· 	70.0	78.3	82.9	89.1	89.9	91.8	92.9	93.5	94.8	95.1	95.5	96.1	97.4	98.1	99.1
≥ X ≥ 0				82.9												

TOTAL NUMBER OF OBSERVATIONS 931

USAF ETAC TOPIC 0-14-5 (OL A) PERFORS SOMEONS OF THIS SOME AND CONCOURT

DATA PROCESSING PRANCH USAF ETAC AIR -LATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34gp: RAMSTEIR AT 1 66-70,73-77 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

<u> 0600-0830</u>

78. No.								£ ** \$**				·				
*EE* *	≥10	26	2 \$	£ 4	د خ	2:	٤;	2	٤.	2	٤.	≥ -	2	≥5 °c	≥.	≥\$
NO CE.NS ≥ 17000							36.2									
							4:.4									
≥ 800° ≥ 6000							42.3									
							4, 8									
≥ 4000							3.ز4									
≥ 10%							44.3									
2 10000							40.7									
≥ 9000		37.3	40.3	43.3	47.0	47.4	4 = , 7	49.4	50.4	51.0	51.4	51.4	51.0.	51.9	52.2	52.9
≥ 8000		40.5	44.4	47.8	51.8	52.4	53.7	54.3	55.4	56.0	56.5	56.5	56.7	57.0	57.2	58.0
≥ *000		43.2	47.5	51.6	55.6	56.1	57.5	58.2	59.2	59.9	66.3	60.3	60.5	61.0	51.2	62.0
≥ 5000							6.,.4									
_ 500							64.5									
2 4507							67.0									
2 4000					-	-	71.2	-					-			
≥ 35%							73.8,									
£ 5000							77.5									
≥ 2560							B.) . Z									
2 2000							83.2									
≥ '30C							24.5									
2 1500							87.3									
							88.5									
≥ 700 ≥ .30							90.2									
≥ ×00 , ≥ 800		65.4														
							9.,.8									
≥ 700							91.3									
≥ 600 ;							91.6									
≥ 500 > 400 °							91.6									
2 400 '							91.6									
2 300	_	05.5	72.3	79.1	87.6	88.6	91.6	93.1	94.5	96.1:	97.0	97.1	97.4	97.8	98.2	99.1
· 2 200							91.6									
> 00							91.6									
≥ 0		65.6	72.3	79.1	87.5	88.6	91.6	93.1	94.5	96.1	97.0	97.1	97.4	98.1	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

930

SATA PROCESSING PRANCHUSAF ETAC 418 REATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AP DE

<u>06-7 ≥973-77</u>

2505-1100

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

15,55							- 5	· § · A	rure via							
-65 ~	≥ \$	<b>≥</b> ¢	2:	24	≥;	22	2:	<i>2</i> ′	٤.	2	≩ 4	٤.	2	25 5	≥ .	≥;
NO TE NO				37.3												
2 70000				44.3												
≥ '5000				44.9												
5 5 %				45.2												
≥ 470.				45,9												
3 139.				47.2												
2 3007				49.9												
2 2000		45.3	49.9	51.4	54.7	52.7	58	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 8.4€		51.0	52.7	54.4	55.7	55.7	55,0	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
2 7750				55.9												
⊴ ಕಿನಿನಿಸಿ		54.7	55.4	57.6	59∙∪	59.1	57.2	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5
2 5000				61.0												
> 4-2		28.2	50.0	62.6	64.4.	64.5	64.8	54.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1
2 400€		61.7	54.0	66,7	68.5	68.6	65.9	69.1	69.1.	69.2	69.2	69.2	69.2	69.2	69.2	09.2
2 3500		65.2	58.5	71.4	73.4.	73.5	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		73.2	76.2	79.4	81.5.	81.5	81.9	82.2	82.2	82.3	82.3	82.3	82.2	82.3	82,3	52.3
2 2500		78.1	51.1.	84.2	80.0	86.7	87.1	87.3	87.3	87.4	87.4	87.4	37.4	97.4	87.4	37.4
≥ 2006		31.5	33.9	87.2	89.0	89.7	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 300				68.7												
≥ 500				91.9												
2 70		64.9	88.7	92.7	95.8	95.9	9/8	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500				93.0												
- 900				93.2												
≥ ಕಸೆ		85.1	85.9	93.2	96.3	96.5	97.5	97.8	98.0	98.2	98.2	98.2	98.7	98.2	98.2	98.2
- X		d5.	58.9	93.3	96.5	96.6	97.7	98.3	98.5	98.8	98.3	95.8	98.8	98.8	98.8	98.8
≥ 500		85.2														
2 500				93.7												
≥ 400 ≥ 400		85.2														
				93.7												
. ≥ 200 .		55.2	30.1	93.7	97.2	97.3	00.6	29.4	90.4	100.0	00.0	7747	130.0	100.0	100.0	100-0
<u>-</u>		35.2	39.1	93.7	97.3	97.3	05.4	-19.4	90.4	100.0	100 0	100.0	100 0	70.0	00.0	100.0
. ≥ 3€ ; ≥ 0		95 9!	20.1	93.7	97.2	97.2	On A	09.4	90.4	100.0	ION A		2 0 A O	100.0	100.0	100.0
<u> </u>		07.2	07.1	73.1	7106	71.0	75.O.	77.4	77.0,	100.0	(VV.U.	LUV.U	10:1,U	LUU O	LUU.U	· UU • U

TOTAL NUMBER OF OBSERVATIONS\_\_\_

930

USAF ETAC 24 CH 0-14-5 (OL A) HEMOUS EDITIONS OF THIS FORM ARE CASCULTE

DATA PROCESSING PRANCH USAF ETAC AIR REATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PAMSTETA AS TE 10-7. 13-77 MAY

PEPCENTAGE FREQUENCY OF OCCURRENCE 129-1400
FROM HOURLY OBSERVATIONS

**-* *	2 7 2	0	≥:		* ,	2.	·.	<u>-</u>				· ·	<u>:</u>	25 0	2.	20
<u> </u>	 7 ز	. 2	32.7	32.8	32.9	32.9	34.9	32.	32.9	32.9	32.9	32.5	32.9	32.9	32.9	32.7
2700	43	. 2	42.0	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3.	43.3
2 8.45							44.3									
\$ 579€							44.7									
2 4XX	44	. 7	44.0	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	43.2
2 100.							45.06									
2 70%							44.3									
5 5000							44.5									
≥ 2000	<u>غا</u>	.0	52.7	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
2 7.0%	57	. 3	54.7	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4.	55.4
≥ <b>5</b> 7%.							55.3									
. 397	60	.1	51.1	51.4	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	52.0
2 +>0							66.3									
≥ 4000	7:	• 5	72.0	72.3	73.5.	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5.	73.5
2 3500	7 =	.5	39.2	90.8	81.4	81.4	91.4	£1.4·	81.4	81.4	81.4	81.4	31,4	61.4	81.4	\$1.4
≥ 3000	35	• 5	87.1	87.6	88.3	88.3	53.3	88.3	88.3	88.3	86.3	88.3	88.3	38.3	88.3	88.3
≥ 35X							92.9									
_ ≥ 2: €	91	. 9	94.1	94.3	95.8	95.8	95.8	95.8	95.8	95.8.	95.3.	95.2	95.8	95.8	95.3	95.8
≥ 500							96.5									
<b>\$</b> 500	. 93	• 2	95.6	96.5	97.5	97.5	91.51	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
3 €							98.3									
≥ 000	93	. 7	90.1	97.4	98.7	98.7	93.81	\$8.8	98.8	96.8	5.80	98.3	93.8	98.8	98.8	92.8
≥ 700							93.9									
2 800	93	. 7	96.1	97.4	8.65	98.8	99.0	99.21	99.2	99.2	99.2	99.2	99.2	99.2	99.2	79.2
≥ 736	93	. 7	96.1	97.5	95 . C.	99.0	99.4!	99.6	99.6	99.6	99.5	99.6	99.6	99.6	99.6	99.6
≥ ≎60	93	. 7	96.21	97.5	99.1	99.1	99.7	00.0	00.0	100.0	100.0	00.0	00.0	00.0	100.0	0.00
2 NV.	93	.7	96.2	97.5	99.1	99.1	99.73	00.0	100.0	100.0	100.0	60.0	0.00	00.0	100.0	00.0
_ ≥ 433	93	• 7	90.2	97.5	99.1	99.1	99.7	00.0	00.01	100.0	100.0	100.0	20.01	00.0	100.0	100.0
2 FA	93	.7	96.2	97.6	99.1	95.1	99.7	00.01	100.0	00.0	100.0	00.01	00.0	00.0	00.01	100.0
≥ 290	93	7	96.2	97.5	_99•1	99.1	99.71	00.0	100.0	100.0	100.0	100.0	00.0	00.0	100.0	100.0
≥ ತ	93	• 7,	96.2	97.6	99.)	90.1	99.71	00.0)	00.01	100.0	100.0	100.01	00.0	00.0	100.01	100.0
, ≥ ÷	23	. 7:	96.2	97.6	99.1	99.1	99.7	00.0	00.0	100.0	100.0	loc-oi	0.0	00.0	60.0	100.0

TOTAL NUMBER OF ORSERVATIONS 930

USAF ETAC Was 0-14-5 (OL A) PRIVIOUS SOTIONS OF THIS HOW ARE OBSOLUTE

DATA PROCESSING TREATH USAH ETAC AIR FEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY DESERVATIONS

- 52	2	2:	≥;	2.4	€.	2:	•	≥`	2	ž	2 ·	٤.	2	21 0	2.	<b>≥</b> ∶
V2 € No.		-54.5	36.7	37.7	37.3	37,3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	3743
± 2,4400				46.8												
± €000				48.2												
2 599		46.1	48.4	48.7	48.6	44.3	43.8	42.3	46.8	43.8	48.3	45,9	46.6	48.8	40.8	48.6
2 EG.				49.6												
≥َحْدِ بِ		50.0	51.2	51.>	51.0	21.5	51.0	51.6	51.5	51.6	51.0	51.5	51.0	51-6	51.5	51.0
2 2007		52.5	54.1	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
<b>3 9</b> 09).		55.3	55.7	56.2	56.3	55-3	50.3	55.3	56.3	56.3	56.5	56.3	56.3	56.3	56.3	56.3
≥ 3-8.0	_			60.1												
2 724		0 2 . l	54.L	54.5	69.5	64.5	64.6	64.6	44.0	54.5	54.5	54.6	54.0	64.6	54.0	64.6
≥ 5000				67.8												
2 500				71.9												
<u> - 45</u> 77				75,8												
- 177		79.4	50.÷	80 <b>.</b> ⊊	81.2	01.2	€;.2	31.2	81.2.	31.2	81.2	81.7	81.2	81.2	81.2	3100
2 BaCC				38.4.												
2 100.				92.4												
≥ 3500			_	94.9	_					_						• -
_ ≤ ?XX				97.G												
≥ \$00				97.2												
				97.5												
\$ 4.K				95.0												
				98.4												
<u>≠</u> 30,4				98.4												
2 8x				98.5												
2 2 2 400				98.5												
> 9/8				98.6												
<u> </u>				98.5												
2 4.5 ====================================		<u>95.3</u>	37.2	95.6	99.4	39.4	<u>'').5'</u>	99.8	[CG.0]	100.0	00.0	00.5	100 Q	100.0	10.0	100.0
≥ 500		95.3	97.2	98.5	59 • 🐳	99.4	99.0	99.5	160.0	100.0)	100.0	(0.00)	100.0	100.0	100.0	100.0
_ ≥ .%		95.3	97.2	98.4	99.4	99.4	99.6	99.8	1 <u>00-0</u>	[60.0]	00.0	100.5	100.0	100.0	160.0	100.0
<i>≥</i> 3.		95,3	97.Z	98.72	99.4	99.4	99.5	99.8	100-0	100.0)	JO.0	100.03	100.0	100.0	100.0	100-0
<u> </u>		<u> </u>	97.2	98.6	79,4	99.4	29.6	99.8	100.0	<u>100.0)</u>	00.0	100.0	lon,c	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF STAC Con 1914-5 OL A) mivous to the role of descript

DATA PROCESSING TRANCH USAF ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050

RAMSTEIN AR DL

06-70,73-77

MAY

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-2000

CEILING							VI\$1	BILITY STA	", "E v .?	<u> </u>						
FEET 1	2'0	≥6	≥ 5	≥4	≥3	≧î;	≥ 2	≥;	≥'.	≥1	2 4	≥`.	2	≥5 16	≥ .	≥0
NO CEILING . ≥ 20000	,	41.2 50.8			41.8 51.7											41.9
≥ 18006 ≥ 16000		51.5	52.0 52.5	52.2	52.5	52.5	52.7 53.2	52.7	52.7	52.7	52.7		52.7		52.7	
≥ 14000 ≥ 12000		52.6	53.2	53.4	53.8 55.7	53.8	54.0	54.0	54.0.	54.0	54.0			54.0	54.0	54.0
≥ 1000° ≥ 9000		59.0	60.2	60.4	60.8	60.B	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 8000 ≥ 7000		65.2	66.7	67.0	67.4	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000 ≥ 5000		72.3	73.8	74.2		74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 4500 ≥ 4000		80.4	81.9	82.4	82.8 86.2	82.9	83.1	83.1,	83.1:	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500 ≥ 3000		86.9	88.6	89.1	89.7 93.2	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 25C0 ≥ 2000		91.0	93.2	94.4	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.4		95.4	95.4
≥ 1800 ≥ 1500		91.9	94.3	95.6	96.7	96.8	97.0	97.0	97.0		97.0	97.0		97.1		97.1
≥ 1200 ≥ 1000	<u> </u>	92.5		96.5	97.7	97.8		98.1	98.1	98.1 98.8	98.1	98.1	98.2	98.2		98.2
≥ 900 ≥ 800		92.8	95.4 95.4	97.1	98.6	99.7	99.1	99.1	99.1	99.1 99.1	99.1	99.1	99.2		99.2	
≥ 700 ≥ 600		92.8	95.4 95.4	97,1	98.9	99.0 99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 500 ≥ 400	-	92.8		97.1 97.1	98.9	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 300 ≥ 200		92.8	95.4	97.1 97.2	98.9	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.9		99.9	99.9
≥ 100 ≥ 0		1	95.5 95.5											100.0 100.0		

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC REGI 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSCILET

DATA PROCESSING PRANCH USAF ETAC AIR HEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050

Û

RAMSTEIN AR DL

73-77 دن? - 60

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING	· 						**\$!	BILITY ST	ature mu	ES						
FEET	, ≥10	_ ≥6	. ≥5	: ≥4	≥ 3	22:	≥:	≥1:	≥. •	≥1	≥ .	≥:,	≥ -	:15 to	≥ .	
NO CELING ≥ 20000		48.9 54.8	49.7 55.6	50.4 56.5	50.0 56.3	50.8 56.8	50.9 57.0	51.0	51.2	51.3 57.5	51.4	51.4	51.4	51.4	51.4	51.4
≥ 18000 ≥ 16000		1 2204	22.3	56.8 57.1	5/+1	57.1	57.3	57.5	57.7	57.8	58.0	58.0	58.0	58.0	58 1	60.1
≥ 14000 ≥ 12000		1 22.0	: 20•/	57.5 58.7	3 / • b	57.8	58 . h	58.3	58.5	586	55.7	58.7	50 7	5R 7	C 2 C	- C &
≥ 10000 ≥ 9000		( Q3 · • C	04.4	64.3	05.5	03.5	0 3 . 0	64.0	04.2.	64.3	64.4	64.4	64.4	64.4	44.5	
≥ 8600 ≥ 7000		0.3 • 0	0103	73.4	07 • U	- <b>0</b> ∀•0:	69.2	69.5	<b>59.7</b> .	69.9	70.0	70.0	70. O	70.0	70 1	70.1
≥ 6000 ≥ 5000		77.1	79.2	80.9	81.6	81.6	81.8	76.3 82.0	76.6	76.8	76.9	76.9	77.0	77.0	77.1	77.1
≥ 4500 ≥ 4000		82.6	8 <u>5</u> 2	87.C	88.1	88.1	98.4	85.1	88.9	89.1	85.0	85.6; 89.2	85.7 89.4	85.7	85.8	85.9
≥ 3500 ≥ 3000		35.7	88.6	90.5	91.7	91.7	90.0	90.3	90.5	90.8	90.9	90.9	91.0	91.0	91.1	91.2
≥ 2500 ≥ 2000		87.6	90.9	92.9	94.5	92.9	93.3	93.7	95.5	94.1	94.2	94.2	94.3	94.3	94.4	94.5
≥ 1800 ≥ 1500		88.6	92.2	94.8	96.6	96.6	95.8	96.1	96.3	96.7	96.8 98.1	96.8	96.9	96.9	97.0	97.1
≥ 1200 ≥ 1000 ,		88.9	92.6	95.4	97.1	96.7	97.3	98.1	97.8	98.2	98.3	98.3	98.4	98.4	98.5	98.6
≥ 900 ≥ 800 :		89.0	92.7	95.6	97.4	97.4	98.1	98.4	98.6	98.9	99.0	99.0	99.1	99.1	99.2	99.4
≥ 700 ≥ 600		89.0	92.7	95.6	97.5	97.5 97.5	98.2	98.6	98.9	99.2	99.4	99.4	99.5	99.5	99.6	99.7
≥ 500 ± ≥ 400 ·		39.0	92.7	95.6	97.5	97.5	98.2	98.6	99.2	99.6	99.7	99.7	99,5	99.8	99.9	100.0
≥ 300 ; ≥ 200 ; ≥ ICS ,	_	89.0	92.7	95.6	97.5	97.5	98.2 98.2	98.6	99.2	99.6	99.7	99.7	99.8	99.8	99.9	00.0
≥ 1CS   ≥ 0		89.0	92.7	95.6 95.6	97.5	97.5	98.2	98.6	99.2	99.6	99.7	99.7 99.7	99.8	99.8	99.9	00.0

TOTAL NUMBER OF OBSERVATIONS

93

USAF ETAC RELEAS 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AS OL

66-7i,73-77 HAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CERTNG							v:S'	S JITY STA	ATUTE MILE	\$						
r <u>c</u> et	≥10	≥6	≥5	≥4	≥3	≥2.	≥ \$	≥.	≥1 ,	≥1	≥	≥`₃	≥ :	≥51e	≥.	; ≥0
NO CEILING ≥ 20000	-	37.7 43.9	39.2° 45.4°	40.2	41.0	41.1	41.5. 42.1	48.3	41.8	42.0 48.7	42.1	42.1 48.8	42.2	42.4	42.5	42.6
≥ 18000 ≥ 6000		44.5	46.1	47.2	48.3	48.4	48.8.	49.0	49.2	49.4	49.5.	49.6	49.7	49.8	50.0	50·1 50·5
≥ 14000 ≥ 12000	!	45.4	47.0.	48.1	49.3	49.4	49.8	50.1	50.3	50.5	50.0.	50.5	50.7	50.9	51.0	51.2
≥ 9000 ≥ 9000		49.6	51.5	52.7	54.0	54.7	54.6	54.8	55.0	55.2.	55.4	55.4	55.0	55.8	55.9	. 56 • 1 57 • 6
≥ 8000 ≥ 7000		55.0	57.2	58.5	60-1	60.2	60.7	60.9	61.1	61.4	61.5	61.6	61.7	61.9	62.0	62.2
≥ 6000 ≥ 5000	 <del> </del>	64.5	67.1	68.9	70.7	70.9	71.4	71.7	71.9	72.2	72.4	72.5	72.6	72.8	73.0	. 68 • 6 : 73 • 2
≥ 4500 ≥ 4000	1	70.8	73.8	75.7	77.8	78.0	75.5	78.9	79.1	75.2. 79.4	79.0	79.7	79.9	80.1	80.3	80.0
≥ 3500 ≥ 3000		74.2	77.4 81.3	79.4 83.4	81.0	81.8	82.4 86.6	85.9	83.0 87.2	83.3 87.5	83.5 87.7	83.4 87.5	83.5 87.9	84.0 88.2	84.2 88.4	84.5 88.7
≥ 2500 ≥ 2000		81.7	85.0	88.0	90.0	90.8	91.5	91.8	92.1	92.4	92.0	92.7	92.9	93.1	93.3	91.2
. ≥ 1800 : ≥ 1500		83,4	37.4	90.1	93.0	93.3	94.1	94.4	94.7	95.1	95.2	95.4	95.5	95.8	96.0	94.5 96.2
≥ :000		84.3	88.5	91.5	94.0	94.9	95.8	96.2	96.5	96.0 96.9	97.1	97.2	97.4	97.6	97.8	98 • 1
≥ 990		84.4	88.7	91.8	95.0	95.2	96.2	96.7	97.3	97.1 97.4	97.0	97.7	97.8	97.8 98.1	98.0 98.3	98•3 98•6
≥ 700		84.4	88.7	92.0	95.3	95.0	96.7	97.3	97.6	97.8 98.1	98.2	98.4	98.5	98.5 98.8	99.0	99.3
≥ 500		84.4	85.7	92.0	95.4	95.7	96.8	97.4	97.9	98.3 98.3	98.5	98.6	98.8	99.1	29.3	99.5
≥ 200	<u> </u>	84.4	88.7	92.0	95.4	95.7	95.8	97.4	97.9	98.3° 98.4	98.6	98.8	99.0	99.3	99.5	99.8
≥ 100 ≥ 0		34.4	88.7	92.0	95.4	95.7	96.8	97.4 97.4	97.9	98.4	0.69	98.8 98.8	99.0	99.3	99.5 99.6	99.9

TOTAL NUMBER OF OBSERVATIONS 74

USAF ETAC 12164 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESCRETE

DATA PROCESSING PRANCH

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JSAF E	FAC									CE	ILIN	IG	VER	SUS	VIS	SIBI	LITY
AIR ⊭€4 34053			אר לב אר חן					- 6 <del>-</del> 7	73-رن	-77						ſĹ	<u> </u>
3 10 3 N	- 1,,,,,,,	J . 4. 11	<del>- ^ ;</del>	A CA AAR				<u> 20 . ,</u>	(1) 12	<del></del>	7 E 4	-				<del></del>	
					PER					OF O		ENCE				<u> </u>	<u>-ე200</u>
-	CEILING			<del></del>				-151	3, °Y 5°4	TUTE WIE	\$		<del></del>				
	-661	≥'≎	≥¢	≥ 5	≥4	≥3	≥2	≥:	≥'.	≶, •	₹.	≥ 4	≥ .	≥ -	25 5	≥. !	≥¢ .
	NO CEIUNG		42.6	47.0	48.6	51.0	51.8	57.4	52.7	53.2	53.6	53.7	53.5	53.9	54.3	54.7	55+1
	≥ 20000													59.7			
-	≥ 18000													60.0			
	≥ ,2000													66.7			
_	≥ 14000		48.4	54.0	55.7	58.8	59.0	59.7	59.9	60.4	60.8	60.9	61.0	61.1	61.8	62.1	62.6
_	≥ 12000		48.6	54.1	55.8	58.⊊	59.1	57.8	50.0	60.6	60.9	21.0	61.1	61.2	61.9	62.2	62.7
<del>,_</del>	≥ '0000		51.3	57.1	58.8	62.0	62.2	63.0	63.2	63.8	64.1	64.2	64.3	64.4	65.1.	65.4	65.9
_	≥ 9000		53.0	59.1	61.2	64.4	64.7	6= .4	65.7	66.2	66.6	56.7	66.5	56.9	67.7	58.0	68.8
	≥ 8600		56.1	62.4	64.6	67.9	65.1	58.9	59.1	69.7	70.0	70.1	70.2	70.3	71.1:	71.4	72.2
_	≥ 7000													72.3			
•	2000 ≤		58.9	65.2	67.9	71.4	71.7	72.6	72.9	73.4	73.8	73.9	74.0	74.1	74.9	75.2	76 • G
_	≥ 5000													77,4			
	≥ 4500													81.0			
-	≥ 4000	·												82.1			
	≥ 3500	1	68.0	75.2	78.6	82.9	83.2	84.2	84.7	85.2	85.8	35.9	86.0	86.1	36.9	87.3	89 <b>-</b> 2;
_	≥ 3000	!	69.8	77.1	80.5	85.0	35.3	85.3	8.65	37.4	83.1	58.2	85.3	88.4	89.2	89.7	90.5
•	≥ 2500	ī	71.0	78.3	_	36 . 2;	36 . 6	87.9	88.3	89.0	90.0	20.1	90.2	90.3	91.1	91.6	92.4
_	≥ 2000	1	72.7	80.2										92.2			
	≥ 1800	1		80.6										92.8			
	≥ 1500		74.7	82.3	85.9	90.4	90.8	97.2	92.7	93.4	94.6	94.7	94.8	94.9	95.7	96.1	97.0
	≥ +200	1												96.1			
:	≥ 1000	1												96.8			
·	≥ 200													96.8			
	≥ 800	1												96.8			
·	≥ 700	Ī	76.1	83.8	87.4	92.2	92.6	94.0	94.4	95.3	96.4	90.0	96.8	96.9	97.7	98.1	99,0
		<u> </u>												96.9			
•	≥ 500													97.0			
	≥ 400													97.0			
	≥ 300	[	76.1	83.8	87.4	92.2	92.6	94.1	94.6	95.4	96.6	96.7	96.9	97.0	97.9	98.3	99.3
	≥ 200	<u> </u>												97.0			
	≥ 100	1	76.1	8,66	87.4	92.2	92.6	94.1	94.6	95.4	96.6	96.7	96.9	97.0	97.9	98.4	99.4
-	≥ 0	<u> </u>	76.1	83.8	87.4	92.2	92.6	94 • L	94.6	95.4	96.6	96.7	96.9	97.0	97.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC HA 0-14-5 (OL A) PREVIOUS FEITIONS OF THIS FORM ARE DISCUSTE DATA PROCESSING PRANCH USAF ETAC AIR REATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AP DE

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65-76,773-77

0300-0500

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

- 5/8 . TY - 5"ATL TE NY (ES ≥10 ≥ ' ≥ . . ≥5 % , NO CEILING 26.2 29.6 31.3 36.1 36.8 35.8 40.1 41.3 42.6 43.1 43.6 43.7 44.4 44.8 46.1 29.3 32.7 34.5 39.6 40.2 42.2 43.6 44.9 46.1 46.6 47.2 47.3 48.2 40.6 49.9 ≥ 8000 29.6 32.9 34.8 39.8 40.4 42.4 43.8 45.1 46.3 47.0 47.4 47.6 45.4 48.8 50.1 29.7 33.0 34.9 39.9 40.6 4..6 43.9 45.2 46.4 47.2 47.7 47.8 48.7 49.0 50.3 30.3 33.7 35.6 40.6 41.2 43.2 44.6 45.9 47.1 47.9 48.3 46.4 49.3 49.7 51.0 ≥ 14000 30.7 34.0 35.9 41.1 41.8 43.8 45.1 46.4 47.7 48.4 48.0 49.0 49.9 50.2 ≥ 10000 32.1 35.6 37.6 42.9 43.6 45.8 47.1 48.4 49.8 50.6 51.0 51.1 52.0 52.3 53.7 33.0. 36.4 39.0 44.6 45.2 47.4 48.9 50.2 51.6 52.3 52.8 36.3 40.1 43.2 49.1 49.9 52.1 53.6 55.2 56.6 57.3 37.8 57.9 59.0 59.3 60.9 37.3 41.3 44.7 50.7 51.4 51.9 55.6 57.3 58.7 59.4 59.9 60.0 61.1 61.6 62.1 ≥ 8000 ≥ 7000 ≥ a000 ≥ 5000 38.6 42.8 46.1 52.3 53.2 55.8 57.6 59.3 60.7 61.4 61.9 62.0 63.1 63.6 65.1 40.3 44.8 48.7 55.1 56.0 5 8 60.6 52.3 63.7 44.4 64.9 55.0 66.1 66.7 68.2 42.3 47.3 51.4 57.9 58.9 62.1 64.0 65.8 67.3 68.1 68.6 68.7 69.8 70.3 71.9 45.6 51.1 55.3 62.1 63.1 66.3 68.2 70.0 71.6 72.3 72.7 72.9 74.0 74.6 76.1 > 4500 4000 48.9 54.7 59.0 66.4 67.6 70.8 72.8 74.6 75.1 76.9 77.3 77.4 78.6 79.2 80.8 50.7 56.7 61.1 62.9 70.1 73.4 75.4 77.3 78.9 79.7 80.1 80.3 81.4 82.1 83.7 51.3 57.6 62.0 69.8 71.0 74.4 76.4 78.3 79.9 80.7 81.1 61.3 82.4 83.1 84.7 53.3 59.6 64.1 72.1 73.3 76.9 78.9 80.9 82.7 83.4 83.9 84.1 85.2 85.9 87.4 ≥ 3500 ≥ 3000 ≥ 2500 ≥ 2000 54.0 60.2 64.8 72.8 74.0 77.5 79.6 81.6 83.3 84.1 84.6 84.8 85.9 86.7 88.2 56.2 62.9 67.8 76.6 77.8 81.3 83.4 35.4 87.2 88.0 88.4 98.7 89.8 90.6 92.1 ≥ 1860 ≥ 1500 57.8 64.6 69.4 78.2 79.4 83.0 85.1 87.1 8E.9 89.7 90.2 90.4 91.6 92.3 93.9 53.6 65.3 76.3 79.3 80.9 84.7 86.9 88.9 90.7 91.4 92.0 92.2 93.4 94.3 95.9 ≥ 1200 ≥ 1000 58.7 65.0 70.7 79.7 81.2 85.0 57.2 89.2 91.0 91.8 92.3 92.6 93.8 94.7 96.2 58.7 65.6 70.7 79.7 81.2 85.0 87.3 89.3 91.2 92.0 92.0 92.8 94.0 94.9 96.4 800 58.7 65.7 70.9 79.9 81.4 85.2 87.6 89.6 91.4 92.2 92.8 93.0 94.2 95.1 96.7 58.7 65.7 70.9 79.9 81.4 85.2 87.6 89.7 91.7 92.4 93.0 93.2 94.6 95.4 97.0 700 500 58.8 65.8 71.0 80.0 81.6 85.3 87.7 89.8 91.8 92.6 93.1 93.3 94.7 95.6 97.1 58.8 65.8 71.0 80.0 81.6 85.3 87.7 89.8 91.8 92.6 93.1 93.3 94.7 95.6 97.2 500 400 58.8 65.8 71.0 80.0 81.6 85.3 87.7 89.9 91.9 92.7 93.2 93.4 94.8 95.7 97.6 58.8 65.8 71.0 80.0 81.6 85.3 87.7 89.9 91.9 92.7 93.2 93.4 94.8 95.7 98.4 200 58.8 65.8 71.0 80.0 81.6 85.3 87.7 89.9 91.9 92.7 93.2 93.4 94.9 95.8 99.2 58.8 65.8 71.0 80.0 81.6 85.3 87.7 89.9 92.0 92.8 93.3 93.6 95.0 96.2100.0

TOTAL NUMBER OF OBSERVATIONS

90

USAF ETAC AS CH 0-14-5 (OL A) PREVIOUS EXPROVES OF THES FORM ARE DISOLETE

DATA PROCESSING PRANCH USAF ELAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34056 RAMSTEIN AR DE

t,6-7...,73-77

1.171

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CS.	, <b>%</b> ,,							• > 5	3.°° 5°≏	TUTE M (E	5						
ř.	= -	≥'≎	≥ €	≥ ‹	≥ 4	23	≥::	≥:	≥.	≥ .	2	≥ .	≥ '-3	2	≥ 5 ¹o	≥ •	≥0
	E +1 5130										43.7 46.4						
	5000 5070		29.5	33.0	36.1	40.š	42.2	43.6	45.4	46.4	47.0 47.0	47.0	47.2	47.3	48.0	48.2	49.1
	4000 1000		29.3	33.2	36.4	40.7	42.5	44.3	46.0	47.0	47.6 48.1	47.6	47.8	47.9	48.6	48.8	49.7
	200C		31.0	34.4	38.1	42.4	44.4	45.2,	47.9	48.9	49.4.	49.4	49.7	49.8	50.7	50,9	51.5
_	8000 1000		34.4	38.1.	42.4	47 <u>.</u> ō	49.8	51.9	53.8	54.9	55.4	55.41	55.7.	55.8	56.7	56.9	57.9
	e-300; 5000;		35.9	40.0	44.7	50.1	52.3	55.1	57.3	58.4	57.0 59.0 62.1	59.0	59.2	59.3	60.2	60.4	61.7
	4500 4000		40.4	44.7	49.4	55.2	57.4	63.3	62.6	64.1	64.7	64.7	64.9	55.0	65.9	66.2	57.4
	350C 300C		44.5	49.3	54.2	60.4	62.7	65.9	68.1	69.7	70.2 74.2	70.2	70.4	70.6	71.4	71.8	73.0.
	2500 2500 ;		47.7	52.7	57.6	64.7	67.2	71.2	73.7	75.2	76.4	76.4	76.8	76.9	77.8	78.1	79.3
	180C 150C		51.2	57.1	62.3	69.9	72.4	70.6	79.1	80.7	82.1	82.1	52.4	62.6	83.4	83.8	85.0
2	.300		56.0	62.3	67.8	76.2	78.9	83.3	56-2	0.88	89.6	89.6	89.9	90.0	90.9	91.2	92.4
	900 300		57.2	63.7:	69.2	78.0	81.3	0.05	39.2	91.2	92.4	93.0	93.3	93.4	94.4	94.8	96.0
	700 7 500		57.3	63.6	69.3	79.0	31.8	8.48	90 · I	92.2	93.8	94.1	94.4	94.6	95.6	95.9	97.1
2 2			57.3 57.3	63.8	69.3	79.0	81.8	85.8	90.3	92.7	94.7	94.8	95.1	95.2	96.2	96.6	97.8
	300 200		57.3	63.8	69.3	79.0	81.8	85.8	90.4	93.0	95.1 95.2	95.3	95.8	95.9	96.9	97.3	98.6
2 2			57.3	63.8	69.3	79.0	81,8	86.8	90.4	93.0	95.2 95.2	95.4	95.9	96.0	97.0	98.0	99.8

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_ 900

USAF ETAC "14 64 0-14-5 (OL A) menous editions of this follow are obsolete

DATA PRUCESSING RAMCH JSAF ETAC AIR #EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

RAMSTEIN AR DE

26-7,,,73-77

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS.

28 J.NG							٧ 5	ê." \$"•	TUTE MILE	5						
4€87	2 3	≥e	≥5	≥4	23	≥:	≥.;	≥.	≥ .	2	≥ .	٤٠.	≥ .	≥5 '0	≩ .	≥0
NO 184 NG 2 20000				42.9 46.4												
≥ 8500				46.6												
I 6000				46.9												
≥ 4000																49.3
≥ 200€				48.3												
≥ 2000																52.4
≥ 9000		45.3	45.4	51,4	52.5	57.6	52.9	53.1	53.1.	53.1	53.1	53.1	53.1.	53.1	53,1	53.1
≥ 8000																56.2,
≥ *000				54.7												
≥ 6000																55.8
E 2007				58.4												
≥ 4500				59.7												
≥ 4000				64.5												
≥ 350€				69.4												
≥ 3000				74.0												
≥ 2500	•			77.6												
≥ 2000				82.3												
· ≥ 1800 ≥ 1500				83.9												
		77.4	82.2	87.0	71.0	91.3	92.2	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1200				90.1												
	<u> </u>			91.1												
≥ 900 , ≥ 900	: \$			91.2												
·		80.3														
≥ 700	,	80.4														
<u> </u>	L	80.4														
: ≥ 500																99.8
	·	80.4														
≥ 300	<b>†</b>	80.4	85.7	91.3	90 • Q	97.0	73.4	99.5	79.0	100.0	100.0	00.0	100.0	00.01	00.0	00.0
<u> </u>	<u>.                                    </u>	80.4	82.1	71.5	70.0	9/.0	<u>98.4°</u>	99.6	77.6	00.0	100.0	00.0	00.0	<u>uo.o</u>	00.0	100.0
! ≥ ¹00 ] ≥ 0	ī <b>i</b>	80.4	53. (	71.0	70.6	3.(•0	78.4	74.0	77.0	100.0	100.0	00.0	rog.o	<b>₩</b> 0.01	00.0	100-0
	<u>'                                     </u>	80.4	63./	71.3	40.4	A1.0,	48.4	99.5	44.6	00.0	100.01	00.0	100.0	00.01	00.0	00.0

TOTAL NUMBER OF OBSERVATIONS...

DATA PRUCESSING RRANCH USAF ETAC AIR #EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

1200-1400

Œ,								**\$*	E., 5"4	.*J*E M (E	S						
FEI	· ·	<b>≩</b> :¢	≥¢	≥5	24	20	≥:-	2:	.≥	≥'.	≥.	ž .	≥.	≥ :	≥5 '6	2.	≥0
NO CE ≥ 20								30.8 41.8									36.8
≥ 9			42.2	42.4	42.T	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ '4								43.8									43.8
≥ : ≥ :								48.7. 53.1									48.7 50.1
_	3000 7000																53.2 55.6
≥ 6			56.3	57.0	57.2	57.4	57.6		57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
2 4			62.4	63.3	63.6	63.8	63.91	63.9. 71.2	03.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	53.9
2 3			75.3	77.0	77.5	78.1	78.2		78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2;
. ≥ 3 ≥ 2			85.9	87.8	88.9	59.7	89.8	90.0 94.0	90.0	90.0	90.G	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1			90.6	93.0	94.9	96.1 <sup>1</sup>	95.2	96.6	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
≥ : ≥ :								98.0 99.0									98.0 99.0
_	900 800		91.7	94.5	97.2	99.0	99.3	99.3	99.9	99.9	99.9	99.9	99.91	39.9	99.9	99.9	99.9
_	700 600	·- <u>-</u> -	91.7	94.9	97.2	99.0	99.3		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2	500 400 i		91.7	94.9	97.2	99.1	99.4	99.9	[00.0]	100.0	100.0	loc.o	00.0	100.C	100.0	00.0	
. ≩ 	200		91.7	94.9	97.2	99.1	99.4	99.9	<u>(50.0)</u>	100-0	100.0	100.0	00.0	L00.0	100.0	100.0	100.0 100.0
. 2 ; 2 	0		91.7 91.7	94.9	97.2 97.2	99.1	99.4	99.9	[00.0] [00.0]	[00.0]	100.0	100.0	00.0	100.0	100.0	100.0	100.0

FROM HOURLY OBSERVATIONS.

TOTAL NUMBER OF OBSERVATIONS

90

USAF ETAC ALSA 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE

事

DATA PROCESSING ARANCH USAF EIAC AIR MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

34050 RAHSTEIN AF DL

0

65-75,73-77

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

15<u>00-1700</u>

18,8NG			_				• 5,	5	47.78 M (8	ES						
itt.	5,3	2.0	≥ 5	≥ 4	≥ .	≥7÷	};	≥.	٤.	2	≥ .	≥ ,	2	≥5 1¢	≥ .	≥c
NO CE1. NO ≥ 10000				35.3												
				43.7												
≥ ,8000				44.1	_				_							-
				44.4												
≥ 4500		45.7	45.7	45.8	45.0	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.6
≥ 12006		46.4	46.4	46.7	46.7	46.7	40.7	45.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.
≥ '0900		50.6	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.
≥ 9000		2.6	52.7	53.0	53.0	53.0	54.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	.53.0
≥ 900C		59.2	58.7	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.
≥ 7000				63.0												
≥ xXX				66.3												
± 2000				70.9												
2 4500				74.6												
≥ 4000		79.2	80.1	80,7	80.7	80.7	80.8	80.8	Ro.A	80.8	80.8	AU B	SO A	80.8	AO.A	an.
≥ 350C				87.9												
≥ 3000				92.5												
≥ 250C				94.7												
≥ 2000				96.1												
≥ 180G				96.4												
≥ 150C		94.0	05.4	97.1	97.0	97 0	95.0	02.1	99.5	99.9	20 2	02.2	99 7	98.3	98 9	00
≥ 1700				98.3												
2 1000				98.6												
≥ 900		94.9	94.40	98.6	99.4	90.4	90.7	00.8	90.0	90.9	00.0	00.0	90 9	99.0	00 0	90.
≥ 900				98.6												
2 700				98.6												
2 600		0 0	05 4	28.6	no Z	20 7	97.0	77.2	100.0	100.0	100.0	400	100.0		100.0	100
2 500		04 0	94 6	A 80	77.0	99-7	79.0	77.7	00.0	100+0	00.0	100+0	100.0	100.0	100.0	<u></u>
≥ 500 ≥ 400	:	74.7	70.0	98.6	77.0	77.7	77.0	7797	00.0	100.0	00.0	100.0	100.0	100.0	100.0	100
		74.7	70.0	98.6	77.0	77.07	A • 0.	99.9	100.0	100.0	100.0	100.0	100.0	100 C	100.0	100.
≥ 300 ≥ 700		74.7	70.0	98.6	77.0	77.	77.0	77.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
	· 	74,9	70.0	98.5	77.0	77.7	77. 5	44.4	<u> </u>	100.0	100.0	00.0	100.0	<u> 100.0</u>	100.0	00.
≥ 10C ≥ 0		74.9	70.0	98.5	77.6	99,7	99.8	99.9	T00.0	100.0	100.0	100.0	100.0	100.0	100.0	100 •
≥ 0		94.9	76.6	98.5	44.0	79.7	49.8	99.9	100.0	100.0	100.0	100.0	100.0	100 '0	100.0	100.

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC MEN 0-14-5 (OL A) MENOUS EDITIONS OF THIS FORM ARE OBSOLE

DATA PROCESSING ARANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY .

34050 RAMSTEIN AS PL

56-7...73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

<u>1 500-2000</u>

CE.NG							• 5:	8. ** 574	ate w .6	5						
	<b>2</b> 3	<b>≥</b> ≎ .	25	≥ 4	≥3	≥: -	2:	≥ ′	≥ .	≥	≥ •	¥ ×	≱ -	25°c	<i>z</i> .	≥:
NO TEUNG		45,4	45.8	45.8	45.5	45.8	4>∙8	45.8	45.8	45.8	45.8	45.5	45.9	45.9	45.9	45.9
≥ 20000		56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	<u>57.0</u>	57.1	57.1	57.1	57.1
≥ 8000		55.7	57.2	57.2	57.	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3
≥ 5000		57.2	57.0	57.6	57.0	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7
≥ 4000		57.7	58.0	58.0	56.0	58.0	52.0	58.0	58.0	58.0	58.0	56.0	58.1	58.1	58.1	58.1
5 3000		59.2	59.0	59.5	_	59.6	59.6	59.6	59.6	59.6	59.0	59. <u>5</u>	59.7	59.7	59.7	59.7
≥ 3000		63.0	63.3	63.3	-	-3.5	63.6	63.6	63.6	63.6	63.5	63.6	63.7	63.7	63.7	63.7
≥ 9000		04.4	65.0	65.0	55	65.3	64.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4
≥ 8000		70.3	70.9	70,9	71.	71.3	71.6	71.6	71.6	71.6	71.0	71.5	71.7	71.7	71.7	71.7
≥ *300		74.1	74.7	74 . 7			75.4									
≥ 5000		75.2	76.0	76.0	76.4	76.6	70.8	75.8	76.3	76.3	76.8	76.5	76.9	76.9	76.9	76.9
2 5000		79.6	80.3	80.4	81.0.	81.1	81.3	51.3	81.3	81.3	81.3.	81.3	91.4	81.4	81.4	81.4.
≥ 4500		83.2	84.2	84.3	84.9	85.0	85.2;	85.2	35.2	85.2	85.2	85.2	35.3	85.3	85.3	85.3
≥ 4300							98.2									
≥ 3500		88.2.	29.0	89.T	90.3	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9
≥ 3000		59.9	91.6	92.0	93.0	93.1	93.4	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7
≥ 2500		91.2	92.9	93.8	95.0	95.1	95.6	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8
_ ≥ 2000							97.1									
≥ 1800		92.6	94.7	95.6	97.1	97.2	97.7	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
≥ 1500							98.8									
≥ 1290							99.1									
. ≥ :000							99.1									
≥ 200							99.3									
. ≥ 500	:	93.8	96.1	97.0	98.9	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.5	99.3
≥ .*00							99.6									
; ≥ 500		93.8														
2 500							29.7									
. ≥ 400	!	93.8														
2 300							99.7									
2 200		93.8														
· 2 00							99.7									
≥ 0		93.8														
				<del></del>						_ <u></u> .						

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC SAM G-14-5 (OL A) PRIVOUS EDITIONS OF THES RE AND OSCIOLET

DATA PROCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAR

#### CEILING VERSUS VISIBILITY

34050 PANSTEIN AP DL

66-7,3,73-77

ukaji wasan na wasa

wCw.

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

<u> ~100-3300</u>

7: 55																
·:6- *	≥ ≎	26	≥ 5	24	≥ ;	≥:	2:	≥^	<b>2</b> -	2	2 •	ž =	2	≩5 °≎	≥.	≥c
NO 15 (NO ≥ 200%		47.6	49,9	51.1	51.5	51.8	5:.9	52.0	52.1	52.1	52.1	52.1	52.2	57.3	52.7	52.7
		- 35.1	<u> </u>	59.7	60.3	60.3	<u>60,4</u>	00.6	60.7	60.7	60.7	<u>60.7</u>	<u> 60 8 </u>	<u>60.9</u>	51.2	<u> 01.2</u>
≥ 19000 ≥ 19000							51.0									
							61.6									
≥ 4000 ≥ 2000							67.8									
							53.6									
≥ 7000 ≥ 9000							67.1									
> 8000							6:.3.									
≥ 1000							75.0									
≥ 6.00		57 o	73 /	76 6	75 4	75 4	75.0.	<u> 12</u> e L	75.3	7, 7	72.3	1202	77.9	77.0	70.0	70.0
1 5565							76.2 8c.0									
≥ 45.5							83.3									
≥ 4500		76.6	81.1	83.3	Ri.D	84.0	δ <u>5.5</u>	25.9	84.2	84.2	24 FG	04.0	94.1. 24.3	86.4	G AR	34.0
2 350C		78.6	83.4	85.8	87.4	87.6	88.3	28.7	80 A	39.0	RQ.O	89.n	20.1	89.3	89.7	80.7
2 3000		80.8	3A.1	88.6	90.0	90.9	91.7	32.0	92.3	97.3	63.3	97.3	92 4	92.7	93.0	92.0
≥ 25×		62.9	87.7	90.1	92.8	92.8	93.9	94.2	94.7	94.7	94.7	94.7	94.8	95.0	95.3	95.3
≥ 2000		33.2	89.1	92.1	95.0	95.0	96.1	96.6	97.0	97.0	97.0	97.0	97.1	97.3	97.7	97.7
≥ 1800		33.3	39.2	92.2	95.1	95.1	90.2	95.7	97.1	97.1	97-1	97.1	97.2	97.4	97.8	97.8
· ≥ 1500 ·							97.4									
≥ 1700		84.1	90.0	93.1	96.6	96.6	97.9	98.3	98.8	98.8	98.3	98.8	98.9	99.1	99.4	99.4
≥ 1006							97.9									
≥ >X		34.1	90.0	93.1	96.6	96.6	97.9	98.3	98.8	98.8	28.8	98.8	98.9	99.1	99.4	99.4
: ≥ 800							98.1									
≥ 700		84.3	90.2	93.3	96.9	96.9	98.3	98.8	99.2	99.2	99.2	99.2	99.3	99.5	99.9	99.9
. ≥ ১00		84.3	90.2	93.3	96.9	96.9	98.3	98.8	99.3	99.3	99.3	99.3	99.4	99.7	00.0	CO.D
≥ 500		84.3	90.2	\$3.3	96.9	96.9	98.3	98.8	99.3	99.3	99.3	99.3	99.4	99.7	100.0	100.0
≥ 400	<u> </u>	84.3	90.2	93.3	96.9	95.9	98.3	98.8	99.3	99.3	99.3	99.3	99.4	99.7	100.0	00.0
≥ 300		84.3	90.2	93.3	96.9	96.9	95.3	98.8	99.3	99.3	99.3	99.3	99.4	99.7	100.0	100,0
≥ 200		84.3	90.2	93.3	90.9	96.9	98.3	98.8	99.3	99.3	99.3	99.3	99.4	99.7	00.0	100.0
≥ '0%		84.3	90.Z	93.3	96.9	96.9	98.3	95.8	99.3	99.3	99.3	99.3	99.4	99.7	100.0	100.0
≥ 9		84.3	90.Z	93.3	96.9	96.9	98.3	98.8	99.3	99.3	99.3	99.3	99.4	99.7	100.0	0.00
		<u> </u>	-946			7547		7000	- , • 3	-,,,	4.193	7793	- 7 9 7	<u> </u>		L W.

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC HASH G-14-5 (OL A) MEMOUS EXTURE OF THIS FORM AND ORDIGET

EATA PRECESSING PRAGEN USAF ETAC AIR \*EATHER SERVICE/MAC

1

0

#### CEILING VERSUS VISIBILITY

34055 PARSTEIN AF DE 26-7...73-77 JUN
PERCENTAGE FREQUENCY OF OCCURRENCE AL:

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

¥ 5 € 174°LTE ₩ 65 F. **. .** . ≥ : > -≥. 25 6 37.3 39.4 40.5 42.3 42.7 43.2 43.7 44.0 44.3 44.4 44.5 44.5 44.8 44.9 45.3 2 mm 47.9 45.2 46.5 48.4 48.7 43.3 49.7 50.1 50.4 50.5 50.5 5. 6 50.9 2 1 AV 43.3 45.7 47.7 48.8 49.1 49.7 50.2 50.5 50.8 50.9 51.3 51.1 51.4 51.5 51.8 43.6 46.0 47.4 47.1 47.5 5.0 50.5 50.9 51.1 51.2 51.3 51.4 51.7 51.8 57.2 بريد الميت 44.4 45.7 48.1 49.9 50.2 5..3 51.3 51.6 51.9 52.0 52.1 52.2 52.5 52.6 53.0 2 200 47.4 48.9 50.7 51.0 51.7 52.1 52.5 52.7 52.8 52.9 53.0 53.3 53.5 53.6 47.7 50.2 51.8 53.0 54.0 54.7 55.1 55.5 55.8 55.9 56.0 56.0 56.4 56.5 56.9 2 %· 2 %·x 49.0 51.7 53.3 55.3 55.7 55.4 56.8 57.2 57.5 57.6 57.7 57.L 58.1 58.3 58.7 52.6 55.4 57.3 59.5 59.9 6.7 51.2 61.6; 61.9 62.0 62.1 62.2 62.6 62.7 53.1 3.77 54.6 57.5 59.5 31.8 67.2 61.1 63.6 64.1 64.4 64.5 64.6 64.6 63.0 65.2 65.6 55.0 59.0 51.1 13.5 63.9 6..9 65.5 65.9 66.2 66.3 66.4 66.9 66.9 67.0 67.5 ≥ 5000 2 5000 59.1 52.3 64.4 66.4 67.4 6.4 69.0 69.5 69.8 69.9 70.0 70.1 70.5 70.6 71.1 2 4500 2 4000 01.7 65.0 67.3 69.8 70.3 71.4 72.0 72.6 72.9 73.0 73.1 73.2 73.5 73.7 74.2 65.7 68.7 71.1 73.8 74.3 73.4 76.0 76.5 76.9 77.0 77.1 77.2 77.6 77.8 78.2 59.0 72.7 75.3 78.2 78.7 79.9 80.5 81.0 81.4 81.5 81.6 81.7 82.0 82.3 82.7 77.2 76.2 78.9 82.2 82.8 34.0 84.7 85.3 85.7 85.9 86.0 86.1 36.4 86.7 87.1 73.5 78.0 80.5 84.2 84.8 85.3 87.0 87.5 88.1 88.2 88.3 58.4 88.7 89.0 89.4 7530 2 75X 2 260 75.9 30.4 83.4 87.0 87.6 59.1 89.8 90.4 91.0 91.1 91.2 91.3 91.7 91.9 92.4 76.6 81.1 84.1 87.5 88.4 59.9 90.6 91.2 91.8 91.9 92.1 92.1 92.5 92.7 93.2 77.9 82.7 85.9 89.9 90.6 97.1 92.9 93.6 94.2 94.3 94.4 94.5 94.8 95.1 SX 79.1 84.0 87.4 91.5 92.1 93.7 94.6 95.2 95.8 95.9 96.1 96.1 96.5 96.7 97.2 79.5 84.4 87.9 92.3 93.0 94.7 95.6 96.2 96.9 97.0 97.1 97.2 97.6 97.9 98.3 79.6 84.5 88.0 92.5 93.2 94.7 95.8 96.5 97.1 97.2 97.3 97.4 97.8 98.1 98.5 20. '300 79.5 84.5 85.1 92.0 93.3 95.1 96.0 96.7 97.4 97.5 97.6 97.7 98.1 98.4 98.8 Sac 79.6 84.6 86.2 92.7 93.5 95.2 96.2 96.9 97.5 97.7 97.8 97.9 98.3 98.5 99.0 79.6 84.6 88.2 92.8 93.5 95.2 96.2 96.9 97.6 97.7 97.9 97.9 98.4 98.6 99.1 79.7 84.0 88.2 92.8 93.5 93.3 95.3 97.1 97.7 97.9 98.0 98.1 98.5 98.8 99.2 79.7 84.6 88.2 92.8 93.5 95.3 96.3 97.1 97.8 97.9 98.1 98.2 98.6 98.8 99.3 500 430 2 ≥ 79.7 84.0 88.2 92.8 93.5 95.3 96.3 97.1 97.8 98.0 98.1 98.2 98.7 98.9 98.4 79.7 84.6 88.2 92.8 93.5 95.3 96.3 97.1 97.9 98.0 98.2 98.7 98.7 99.6 99.6 79.7 84.6 88.2 92.8 92.5 95.3 96.3 97.1 97.9 98.0 98.2 98.7 99.6 99.8 X 79.7 84.6 88.2 92.8 93.5 95.3 96.3 97.1 97.9 98.0 98.2 98.2 98.7 99.2100.0

TOTAL NUMBER OF DESERVATIONS 7199

USAF ETAC COM GLIGATION AND PROPERTY OF THE ROOM AND CONDEN

DATA PROCESSING PRANCH USAF LTAC AIR #EATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

3405n

RANSTEIN AR DL

06-7:173-77

JŲL.

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

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C€rt' <b>\</b> ∪							¥ \$	3 5.	•*. £ ∾.:	5						
*EE* "	≥ 1C	≥0	2.5	≥4	. د ⊊	2.	≥:	₹,	2 .	2	2 .	ž .	≥ -	≥5 ie	≥.	≥0
NO CEILNG		48.3	51,9	53.9	55.0	55,8	50.5	56.9	57.1	57.7	57.7	58.0	58.1	58.6	59.0	59.3
2 20000	_			57.2												
> 18000		51.5	55.2	57.5	59.3	50.5	50.2	60.8	51.0	31.5	61.8	62.1	62.2	62+8	63.3	63.7
≥ 5000		51.9	55.6	58.0	59 o	59,9	6, 6	61.2	61.4	62.0	62.1.	62.5	62.6	63.2	63.7	64.0
관 '400C		52.3	55.9	58.3	60.1	60.3	61.0	61.6	61.9	62.5	62.6	62.9	63.1	63.7	54.1	64.
≥ 1260C				58.8												
≥ 19000				60.1												
5000 ≤				60.8			63.5	64.1	64.4	65.0	55.1	65.4	65.6	66.2	66.6	67.0
≥ 8000				67.8			75	71.1	71.4	72.0	72.1	72.4	72.6	73.2	73.6	74.0
≥ 700C				70.1												
: 0000	**			71.9												
> <-X10				76.4												
≥ 45%				79.3												
≥ 4%C				80.9												
≥ 3530				82.4												
≥ 300C				84.2												
≥ 2500				36.5												
≥ 2000		77.8	84.1	87.8	89.8	90.0	00	01.4	91.7	92.3	92.5	92.9	93.0	93.6	94.1	94.
≥ '800		73.0	84.3	88.0	90.0	90.3	91.1	91.7	91.9	92.5	97.8	93.1	93 2	93.8	34.3	96.
≥ 1500		70.0	85.3	89.2	91.3	91.4	0 - 5	53.7	93.5	94.1	94.3	24.7	94 R	95.4	95.8	40
≥ '200		70.7	85.4	89.5	91.0	92.2	02.1	03.8	94.1	94.7	9.40	95.7	95 4	94.0	94.4	07.
≥ .000	•			89.8												
≥ 900				89.5												
≥ 900 ≥ 800				89.9												
≥ 700 ≥ 600				90.0												
				90.0												
≥ 500 ≥ 400				90.3												
	L			90.3												
≥ 300 ≥ 200				90.3		1									: -	
				90.3												
≥ ,00				90.3												
≥ 0		179.7	86.0	90.3	93.5	93.9	95.1	95.8	96.1	96.7	96.9	97.3	97.5	98.3	99.0	100 ·

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC ALL O-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSQUETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/PAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AR DL

06-70,73-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY CBSERVATIONS

0300-0500

CEILING							VISI	BILITY 5"A	TATE MILE	:5						
1997	≱:≎	≥6	≥5	≥ 4	≥3	≥?:	≥2	≥1	≥,•	>	≥ .	≥ .	2	ا ۱۵ د ځ	≥.	≥0
NO CEILING ≥ 20000		31.0 33.0	1			47.4 45.5				47.7° 50.0						
≥ 18000 ≥ 16000		33.2 33.3		41.1			47.2	49.1	50.0	50.3 50.6	50.9	51.5	52.1			54.8 55.0
≥ 14600 ≥ 12000				42.4	46.7	47.3	4 5	50.3	51.3	51.2 51.9	52.2	52.8	53.4	54.4	55.5	
≥ 9000 ≥		36,9 37.6	42.0	46.0	50.6	51.2	5/.3	54.2	55.1		56.1	56.6	57.2		59,4	59.4
≥ 6000 ≥ 7000		42.2	49.2	53,7		59.4	6.8	63.3	64.2	61.8	65.5	66.1		67.7	68,9	
≥ \$000 ≥ \$000	<u> </u>	46.2 49.2 52.8	54.9	56.1 59.4 63.2	61.1 64.7		66.9	69.3	70.4		71.8	72.4	73.0 76.8	74.0		
≥ 4500 ≥ 4000 ≥ 3500		55.7 57.1	61.7	66.6	72.3	73.0	74.8	77.3	78.3	79.1	79.7	80.3	80.9	82.1	83.2	84.4
≥ 3000		59.4	65.7	71.0	76.7	77.4	79.3		83.0	83.8	84.4	85.0	85.5	86.7	87.9	89.0
≥ 26.10		61.4	67.8	73.1	78.9	79.6		53.9	85.2	86.0	86.6	87.2		85.9	90.1	91.3
≥ 1500		63.5		75.5		82.2	81.3	86.7	88.0	88.8	69.4	90.1	90.7	91.8	93.0	1 1
≥ 1000		64.2	70.9	76.5	82.8	- " + ""	35.7		89.6	90.4	91.0		92.3		94.6	95.8 96.3
≥ 800	<del> </del>	64.3			83.U	83.9		88.8 88.9		91.0		92.4		94.1	95.2	96.5
≥ 500	-	04.3			83.0					91.1 91.5						96.6 97.0
≥ 400		64.3		76.7	83.0	93.9	-65 · 8	89.5	90.9	91.7 91.7	92.3	93.0	93.6	94.8	95.9	98.0
≥ 200	-	04.3		76.7	83.0	83.9	80.8	89.5	90.9	91.8 91.8	92.5	93.2	93.9			99.5
≥ 0	<u> </u>	64.3	71.1	76.7	83.0	83.9	80.8	89.5	90.9	91.8	92.5	93.2	93,9	95.7	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING BRANCH USAF EIAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

34050

RAMSTEIN AR DL

56-70,73-77

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# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

CERNYO							v·\$	B*\ 3*A	*** M (5	:\$						
FEET .	≥'€	≥ ۵	≥ 5	≥ 4	≥3	≥:	≥ 2	≥	≥'.	≥ .	≥	≥ ,	≥ ,	≥5 lo :	≥.	≥0
NO CEILING : ≥ 20000			28.3		36.4 38.8	38.1	39.3. 41.8	40.5	41.4	42.1	42.4 45.5	42.8	42.8 45.3	43.0	43.7	44.2
2 1800€ 2 18000		25.9	30.1	33.5	39.2	40.8	42.6	43.5	44.4	45.1	45.4	45.8	45.8	46.0	46.7	47.2
≥ 14000 ≥ 12000		27.7	31.4	34.8	40.5	42.1	43.6. 45.1	44.9	45.8	46.5	46.8	47.2	47.2	47.4	48.1	48.6
≥ 10000 ≥ 9000		31.8	35.8	39.2	45.3	46.9	45.4° 50.7°	49.9	50.9	51.6	52.0	52.4	52.4 54.7	52.6	53.4	53.9
≥ 8000 ≥ 7000	-	37.7	42.4	46.5	53.5	55.1	57.0 59.7	58.9	60.2	61.0	61.5	61.8	61.8	62.3	63.1	يستتحدث مناق بالكسب
≥ 6000 ≥ 5000		41.4	40.5	51.0	58.2	60.0	62.2	64.2	65.5	66.3			67.2		68.5	69.0
≥ 4500 ≥ 4000	<del></del>	46.7		57.0	65.1	66.9	59.6	71.9	73.1	73.9	74.5.			75.3	76.1	76.6 80.3
≥ 3500 ≥ 3000	,			63.2		72.4	75.4 76.7	77.7 79.0	79.1	80.0	80.6	81.0	81.0	81.7	82.5	82.9 84.2
≥ 2500 ≥ 2000	:	53.9	60.2	65.3	73.7	75.8		81.2	82.6	83.5	84.1	84.4		85.1		86.4
≥ 1800 ≥ 1500		55.8 58.5	62.4		76.2 79.6		81.4 85.0							87.7 91.7	_	88.9 93.0
≥ 1200 ≥ 1000			56.4 67.1		80.7 81.9		85.3 87.4								_	94.3
≥ 900 ≥ 800		(	67.4 67.4		82.4 82.4		08.0 88.1					94.3 94.5			-	96.3
≥ 700 ≥ 600		60.1	67.4		82.4 82.5		88.4					94.5		95.2		
≥ 500 ≥ 400	1	60.2 60.2	67.5 67.5	73.1 73.1			88.6 88.6			94.0	1	94.9 95.5	95.6		97.1	97.0
≥ 300 ≥ 200	THE PERSON NAMED IN COLUMN NAM	60.2		73.1	82.6	84.9	88.6 0.88	91.5	93.4	94.6	95.5	95.8	96.0	96.7	97.5	
≥ 100 ≥ 0		60.2 60.2		73.1 73.1	82.6	84.9	88.6	91.5 91.5	93.4	94.6	95.5 95.5	95.8 95.8	96.0	96.9		99.9 100.0

USAF ETAC ALCA 0-14-5 (OL A) MEYIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050

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RAMSTEIN AR PL

66-71,73-77

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING	-						√1\$1 _	BILITY STA	ITUTE MILE	<b>.</b> \$						1
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≵2 <del>.</del> .	≥2	≥1,	≥1.4 ,	≥,	≥ ،	≥ ′a	≥ ~	≥5 18	≥.	≥0
NO CEILING ≥ 20000		36.7 39.4	38.8	- ,	41.0 45.0		42.3	,					42.8 45.9			
≥ 18000 ≥ 16000		39.8 40.0	42.0 42.2	_ 3	. 1			46.4	-		. 1			1		1 1
≥ 14000 ≥ 12600		41.2	43.5					48.0 49.1								48.0 49.1
≥ 10000 ≥ 9000		45.0 46.0	48.3	50.7	52.6	53.1	53.4		53.9	53.9	53.9	53.º	53.9	53.9	53.9	
≥ 8000 ≥ 7000		50.5 53.1	55.5	58.4	60.3	60.9	61.6	59.2 62.1	62.3	62.3	62.3	62.3				
≥ 6000 ≥ 5000		54.7 58.1	61.1	64.4	66.7	67.2	67.9	64.2 58.6	68.9	68.9	68,9	68.9		68.9	68.9	68.9
≥ 4500 ≥ 4000		65.3	68.4	71.6	74.7	74.9	75.8	70.9 76.6	76.8	76.8	76.8	76.8	76,8	76.8	76.8	
≥ 3500 ≥ 3000		68.6 72.4						80.3 84.9	85.2	85.2	55.2	85.2	85.Z	85.2	85.2	80.5 35.2
≥ 2500 ≥ 2000		76.2 78.5	82.8	86.5	89.0	90.3	91.5	89.5 92.3	92.6	92.6	92.6	92.6		92.6	92.6	92.6
≥ 1800 ≥ 1500		79.4 80.6	85.7	89.5		94.0	95.2	93.3 95.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
≥ 1200 ≥ 1000		81.8	87.0	91.3		96.3	97.6	97.3 98.5	98.8	98.8	98.8	98.8	98.8	98.8		98.8
≥ 900 ≥ 200		82.0 82.0	87.2	91.7		96.7	97.9	98.7 98.8	99.2	99.2	99.2	99.2	99,2	99.2		99.2
≥ 700 ≥ 600		82.0 82.0	87.2		96.1	96.9	98.4	99.2 99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.5 99.7	99.7
≥ 500 ≥ 400		82.0 82.0	87.2		96.2	97.0	98.5	99.4	99.13	99.8	99.8	99.8	99.8	99.8		99.8
≥ 300 ≥ 200		82.0 82.0	87.2	91.8		97.0	98.5	99.5	99.9	99.9	100.0	100	100.0	100.0	100.0	100.0
≥ 100 ≥ V		82.0	87.2					99.5 99.5								

TOTAL NUMBER OF OBSERVATIONS 867

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING PRANCH USAF ETAC AIR \*EATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050

RAMSTETH AR DL

66-7:13-77

<u> JUL</u>

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

1200-1400

CELNO							VISI	BILITY STA	itute Mile	\$	<u></u>					
FLET T	≥10	. ≥6	≥5 ,	≥4	≥3	≥2 :	≥ 2	≥':	≥' .	≥,	2 4	≶ ,≉	≩ :	≥5 16	≥.	≥0
NO CEILING ≥ 20000		35.1	35.5	35.8	35.8	35.8	35.8 42.0	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ '8000			43.1.	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4		43.4	43.4	43.4	43.4
≥ 4000 ≥ 2000		43.2	43.5	43.9	43.9	43.9	45.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9		43.9
≥ 10000 ≤		46.8	47.1	47.5	47.5	47.5	47.5 48.6	47.5	47.5	47.5	47.5	47.5	47.5		47.5	
≥ 8000 ≥ 7000		52.1	52.4	52.8	53.1	53.1		53.1	53.1	53.1	53.1	53.1	53.ì	53.1	53.1	
≥ 6000 ≥ 5000		58.5	58.9	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.0	59.6		59.6
≥ 450C . ≥ 4000		65.7	66.4	66.9	67.4	67.4	67.4	57.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 2500 ≥ 3000		79.4	80.5	81.1	82.0	82.0	82.0	\$2.0	82.0	82.0		82.0	82.0	82.0		32.0
£ 2500 ≥ 2000		89.7	91.1	91.9	93.5	93.5		93.5	93.5	93.5	93.5 95.5				93.5 95.5	
≥ 1860 ≥ 1500		91.1	93.1	93.9	95.6	95.6	95.6 97.6	95.7	95.9	95.9	95.9 97.8			95.9 97.8	95.9 97.8	
≥ ,20€ ≥ 1000			95.0	96.1	98.0	98.0	98.0	98.3 99.5	98.4 99.8	98.4	98.4	98.4 99.8	98.4 99.8	99.8	98.4 99.8	99.6
≥ 900 ≥ 800		1 7	95.3	96.8	98.8	99.0	99.2 99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.5
≥ 700 ≥ 600		93.0		95.9	99.0	99.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100-0
≥ 500 ≥ 400		93.0	95.4	96.9	99.0 99.0	99.1	99.3	99.8	0.00	100.0	100.0	100.0	100.0	100.0	100.0	100-9
≥ 300 ≥ 200			95.4 95.4	96.9	99.0	99.1		49.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100-0
≥ '00 ≥ 0		. 2	95.4 95.4		2		99.3								ŧ	

TOTAL NUMBER OF OBSERVATIONS 868

USAF ETAC TOLOGO 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CATA PROCESSING BRANCH USAF ETAC AIR REATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050

RAMSTEIN AR PL

<del>25-73,73-77</del>

W.W.--

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1500-1700

CEILING							*·S!	Big ** \$74	ITUTE M LE	s						
FEET ;	≥10	≥0	≥5	≥ 4	≥3	≥:-	≥2	≥,	≥' .	≥1	≥ ،	≥`a	≥ - ,	25 to	≱.;	≥¢ '
NO CEILING		37.4	37.7	37.3	37.8	37.8	37.8	37.8	37.8	37.8	37.3	37.8	37.8	37.8.	37.8	37.8:
≥ 20000		43.8	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 18000		44.7	44.9	45.0	45.Q	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0:	45.0	45.0
≥ 16000		44.9	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45,3	45.3
≥ 14000		45.4	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 12000		47.7	47.9	48.0	45.0	48.0	48.0	48.0	48.0	48.0	48.0	48.7	48.0	48.0	48.0	48.0
≥ 10000		52.1	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4.	52.4:	52.4
≥ 9090				55.1					55.1				55.1	55.1		55.1
≥ 8000		00.3	60.9	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	6:.5	61.5.	61.5	61.5
≥ 7000														64,7		
2 5000		67.7	68.4	68.9	69.2	69.2	69.2	69.2	69.2	69.2	59.2	69.2	69.2	69.2:	69.2	59.2
≥ 5000		72.1	72.9	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7.	73.7	73.7	73.7	73.7
. ≥ 4500		74.8	75.7	76.2	76.5	76.5	70.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4000	_													83.8		
≥ 3500														69.9		
≥ 3000														95.5		
≥ 2500														96.8		
≥ 2000														97.5		
≥ 1800														97.5		
≥ 1500		95.6	96.8	97.5	98.0	98.2	28.2	98.2	98.2	96.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ (200		95.9	97.1	97.9	98.0	98.8	95.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	93.8	98.8
≥ 1000		96.0	97.2	98.0	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900		96.0	97.2	88.0	99 • 1	99.3	99.5	99.5	79.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800		<u> 96.0</u>	97.2	98.0	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.€	99.8	99,8	99.8
≥ 700 ≥ 600														100.0		
≥ 600 ]		96.0	97.2	98.2	99.3	99.5	99.8	99.9	100.0	100.0	100.0	00.0	100.0	100.0	00.0	100.0
≥ 500														100.0		
≥ 400														100.0		
≥ 300														100.0		
≥ 200														100.0		
≥ 100														100.0		
≥ 0														100.0		

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC BY CO - 14-5 (OL' A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLET

DATA PRICESSING RANCH USAF ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS

1800-2000

08.4NG							• S	∄ : "Y - 5"A	7.78 W F	ē						
agg* "	≥.¢	≥ 6	≥ 5	≥ 4	≥ 3	≥:	22	≥ .	≥'.	2	≥ 4	≥ ,	≥ .	≥5 '8	≥ .	≥¢
NO CE.NO ≥ 20000				44.3												
≥ 800.				52.6												
≥ 5000				53.4 53.6												
≥ 4000				54.0												
≥ 2500				55.8												
≥ 10000				60.2												
≥ 9000				63.1												
≥ 8000		42 5	69.2	69.9	70.4	70 6	70 6	<u>02 3</u>	70.4	72.6	70 /	70 A	70 6	70 6	70- A	20.4
≥ 1300				74.3												
2)%: ≤				79.2												
2 500C				83.9												
≥ 4500				36.5												
≥ 400C				90.8												
≥ 350C				93.7												
≥ 300¢				96.0												
≥ 7500				97.0												
≥ 200C ;				97.5												
≥ '800		94.7	95.8	97 6	99.6	90 4	7/10 A	90.5	90 4	00 4	70.2	00 4	70.2	2042	00 6	00 6
≥ '50C		07 K	70.0;	97.8	70 · 0	70.0	77.Q	70.0	90.0	90 0	20.0	70.0	70.0	20+0	20.0	75.0
≥ 200		94.6	70.1	97.9	99 5	30 0	90.0	97.0	90 1	90 1	77.0	97.0	99.0	99 1	90 1	99.0
≥ 1000		97.40 A. A0	06 2	97.9	27 • U	77+VI	79.0	3741	77.1	27+1	77 1	77 1	77.1	97 1	77.4	3261
≥ 900	_	94.0	7U+Z	97.9	99.0	99 A	20 1	77.4	99 4	37 + Z	77.2	00 2	90 2	778/	09 2	9714
≥ 70C ≥ 80C		74.¢0;	70 4 2	97.9	27.0	77.0	27.4	37.5	90.7	27.2	00 7	77.42	77.4	97+2	99.7	7794
≥ "00"				98.0												
≥ 300 -				98.0												
		94 60	70 0 2	98.0	77.6	90 2	79.5	00 7	77.0	90 8	77.0	97.5	99.0	97.0	77.0	77.0
≥ 500 . ≥ 400																
				98.0												
≥ 500 ≥ 200		94.6														
. ≥ 3C . . ≥ 0 i		94.6	04.3	98.0	00 5	27.6	2742	77 / /.)	ON C	00.0	no vi	40.0	00.0	200	100.0	00.0
		7~ • 0	70.4	70.0	77.6	17.6	77.3	77.1	( \O • O )	no.c.	100.01	LUU • U.	100.0	.00.0	100.0	100.0

USAF ETAC MASS 0-14-5 (OL A) MENOUS EDITIONS OF THIS FORM AND OBSOLETE

DATA PROCESSING PRANCHUSA" ETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILI

RAMSTEIN AR DL

St.

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS.

2100-23

CEILING	· <b></b>						¥4S	iiBitiTY ST	ATUTE MIL	ES						
	≥;c	_ ≥6	. ≥5	≥ 4	≥≎	≥2 7	£2	≥	≥	رج	≥ .	. 5,2	≥ -	≥5 10	≥.	
NO CEILING ' ≥ 20000		48.8 52.7	50.4	51.6	52.2	52.3	54.4	52.5	52.5	52.7	52.7	52.9	52.9	53.0	53.0	53
≥ -8000 ≥ 16000			54.6 54.6	20.0	JU . /	20.0	2 / • U.	2 ( 4 1)	57.1	57.3	57.3	£7 5	E7 E	E7 7	C-7 *7!	
≥ 14000 ≥ 12000		53.6	55.4	56.9	57.5	57.6	57.9	58.0	58.0	59 1	57.7	58.0	58.0	58.2	<u>58.2.</u>	5.5
≥ 10000 ≥ 9000		58.3	60.4	62.2	62.9	63.0	63.3	63.4	63.4	63.5	59.7	60.0	60.0	60.2	50.2	12
≥ 8000 ≥ 7000		05.8	58.2	70.4	71.2	71.3	71.5	71 7	71 7	73 0	65.2	65.4	65.4	65.6.	65.6	.:25
≥ 6000 ≥ 5000		70.2	73.0	75.8	76.9	77.0	77 - 21	77.3	77 3	77 2	74.7	75.0	75.0	75.2	75.2	75
≥ 4500 ≥ 4000		77.6	80.3	83.6	84.6	84.9	84.1	85.2	85.2	85.4	82.2	82.4	52.4	82.8	82.8	<u>8</u> 2
≥ 3560 ≥ 3000		52.5	85.0	89.5	90.8	90.9	9: 4	91.5	91.5	91.6	91.6	89.5	59.5	89 • 8.	89.8	89
≥ 2500 ; ≥ 2000 ;		84.9	88.1	92.4	93.7	94.0	94.7	94.0	94.0	94.1	94.1	94.3	94.3	94.7	94.7	94
≥ 1800 ≥ 1500		86.6	89.1	93.6	95.0	95.3	90.2	96.3	96.3	95.5	95.5	95.7	95.7	96.1	96.1	96
≥ .206 ≥ 1000		36.5	90.0	94.7	90.5	96.8	98.0	98.1	98-1	98.2	97.5	97.8	97.8	98.1	98.1	98
≥ 900 ≥ 800		86.5	90.1	94.8	96.1	97.2	98.7	98.8	98.7	98.8	98.8	99.1	99.1	99.4	99.4	99
≥ 700 ≥ 600		86.5	90.1	94.9	96.9	97.3	98.8	98.9	98.9	99.1	99.1	99.3	99.3	99.6	99.6	99
≥ 500 ≥ 400		86.5	90.1	94.9	96.9	97.3	78 • 0:	99.2	98.9	99.1	99,1	99.3	99.3	99.6	99.6	99
≥ 300 ≥ 200		85.5	90.1	94.9	96.9	97.3	99.1	99.2	99.3	99.4	99.4	99.6	99.61	00.01	00.01	00
≥ X ; ≥ 0 !		36.5	90.1	94.9	96.9	97.5	99.1	99.2	99.3	99.4	99.4	99.6	99.61	00.01	00.01	00
		3D.);	90-1	¥*•9	96.9	97.3	99.1	99.2	99.3	99.4	99.4	99.6	99.61	00.01	00.01	00

TOTAL NUMBER OF OBSERVATIONS\_

DATA PROCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBIL!TY

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS.

TE:NO							· \$	€. ** 3* <del>-</del>	7.76 V (6	•						
555° **	≥ ∵≎	≥0	≥5	≥ 4	≥ 3	27 -	≥:	≥.	≥. •	≥ ,	≥ .	≥ ,	≥ .	25 to '	≥. ;	≥0
NO 05 NG ≥ 20000								44.5 49.2.								
≥ \$000 ≥ 5000		43.2	45.2	47.0	48.7	49.1	49.5	49.8 50.0	50.3	50.6	50.7	50.3	50.9	51.2	51.5	51.7
≥ 4000 ≥ 2000		45.0	47.2	48.9	50.7	51.0	51.5	50.7° 52.0	52.3	52.5	52.0	52.8	52.9	23.2	52.5	53.7
5 5000 5 0000 5 0000		40.5	51.0	53.7	55.0	55.0	54.4	55.31 57.0	57.3	57.5	57.0	57.8	57.9	58.2	58.5	55.7
2 0000 ≤		57.1.	59.8	62.2	64.4	64.9	55.5	66.2	56.6	65.9	67.0	67.2	67.3	67.6	67.9	
2 5000 1 5000 2 4500		63.8	56.8	69.5	71.9	72.4	74.1	59.4: 73.8	74.2	74.5	74.7	74.8	74.9	75.2	75.5	75.8.
2 4000 2 3500 ·		70.7	73.9	76.8	79.5	80.0	80.8	76.8 81.6	81.9	82.2	82.4	82.6	82.7	83.0	83.3	83.6
≥ 300C ≥ 250C		77.0	80.7	83.7	86.6	87.1	88.0	88.8	89.2	89.5	39.7	89.9	90.0	9C.3	90.5	
2 2000 · 2 ·800		79.9	83.7	86.9	89.9	90.4	91.4	92.7	92.6	93.0	93.1	93.7	93.4	93.8	94.1	94.3
2 1500		51.3	85.4	88.8	92.0	92.5	93.6	94.5	94.9	95.2	95.4	95.5	95.7	96.0	96.4	96.6
\$ 50€ \$ .00€								96.3								
2 500								96.6								
2 506		52.1	86.3	90.0	93.7	94.4	95.8	96.6	97.3	97.6	97.8	98.0	98.1	98.4	98.8	99.1
2 400 ;		82.1	86.3	90.0	93.7	94.4	95.8	96.9	97.5	97.8	98.0	98.2	98.3	98.7	99.0	99.5
≥ 300 ≥ 30 ≥ 30			86.3	90.0	93.7	94.4	95.8	96.9	97.5	97.8	98.1	98.3	98.4	95.9	99.2	

USAF ETAC HAS 10-14-5 (OL A) PHYKUS EDITIONS OF THIS FORM ARE ORSCIETE

DATA PROCESSING ARANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34053 RAMSTEIN AR OL Q5-67,69-70,73-77 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

C88%5							¥-3 !	≗"∀ S"A	TUTE MILE	5						
£££	2'€	≥¢	25	≥ 4	≥\$	≥2:	≥:	≥. ~	≥, •	<u> </u>	≥ •	≥ 1	≥ .	. ≎, ⊊₹	≥ .	≥0 ,
NO C5 (*NO ≥ 20000				52.3 56.3												61.6
≥ 18000 ≥ 15000		4º.1	52.6	56.4	59.0	60.3	61.9	52.5	63.2	63.3	63.9	64.3	54.4	64.9	55.Z	56.1;
≥ 4300 ≥ 12000		45.3	53.0		69.3	61.0	62.5	03.5	53.9	64.0	64.5	64.9	65.1	65.6	65.9	66.8
≥ 000C ≥ ¢00C		53.0	57.8	61.6	66.0	66.7	65.4	69.6	70.1	70.3	70.8	71.2	71.3	71.8	72.1	73.0
≥ 8000 ≥ 7000		57.6 58.3	62.5	66.8	71.2; 72.4	72.0 73.2	73.7: 74.9	74.9 76.1	75 • 4. 76 • 6.	75.6 76.8	76.1; 77.3.	76.5 77.7	76.6 77.8	77.2 75.4	77.4 78.6	76.5 79.7
≥ 600C ≥ 500C		59.5	66.4	69.5	74 • 2 76 • 5	75.0 77.3	75.9 79.2	78.1 80.3	78.6' 80.9	78.8 81.1	79.3	79.7 82.1	79.8	80.3 83.0	80.6 83.4	\$1.7 54.5
≥ 4500 ≥ 4000		62.8														85.6 87.5
≥ 3500 ≥ 3000		65.9	71.6	76.8	82.7	83.5	80.2	87.5	88.0	88.4	89.0	89.4	39.8	90.3	90.7	39.5. 91.9
≥ 250C ≥ 200C		67.2	73.2	78.5	85.1	86.1	83.7	90.0	90.6	91.0	91.5	91.9	92.3	92.8	93.2	93.6
≥ 1900 ≥ 1900		69.7	74.9	80.3	87.4	88.4	91.1	92.6	93.1	93.5	94.0	94.4	94.8	95.4	95.8	95•2 96•9
≥ 1200 ≥ 1000	·	70.5	76.9	81.5	89-4	90.7	93.4	94.8	95.5	95.0	96.5	96.9	97.3	97.9	98.3	99.5
≥ °90 ≥ 800		70.5	76.9	82.3	89.5	91.0	93.c	95.2	95.9	96.4	96.9	97.3	97.7	98.3	98.7	99.9
≥ 700 ≥ 600		70.5	76.9	82.3	89.5	91.0	93.8	95.2	95.9	96.4	96.9	97.3	97.7	98.3	98.7	99.9
≥ \$00 ≥ 400		70.5	76.9	52.3	89.5	91.0	93.8	95.2	95.9	96.4	95.9	97.3	97.7	96.3	98.7	99.9
≥ 300 ≥ 200	i 	70.5	76.9	82.3	89.5	91.0	93.8	95.21	95.9	96.41	96.9	97.3	97.7	98.3	98.7	99.9
2 ,00 2 5																100.0

TOTAL NUMBER OF OBSERVATIONS 75

USAF CTAC MAGE 0-14-5 (OL A) mengus epitogis con tops form are describe

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DATA PROCESSING PRANCH USAF ETAC AIR DEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE 0300-0500
FROM HOURLY OBSERVATIONS

32,56							**	5. 7 3 4		` -						
ŧčĒ.	≥'≎	20	25		≥3	≥÷	2:	≥.	2.	2	≥ •	≥ 3	2	≥5 '6	≥ .	20
NO C\$49NC ≥ 20000		29.5 31.4	34.6.	38.7	45.1	45.5	45.7 49.1	49.6	50.8 53.1	52.0 54.4	52.9	53.6	54.0	55.1 57.8	55.8 58.7	58.1 61.i
≥ 19000 ≥ 5000	·	31.4	36.5	40.3	47.4	47.8	49.2 49.2	52.0	53.3	54.5	55.5	56.2	56.7	57.9	58.8	61.3
≥ -4000 ≥ 2000		31.5 32.1	35.7 37.5	41.8	47.5 49.3	48.0 48.8	49.3. 51.2	52•2 53•0	53.4 54.2	54.6 55.5	55.6 56.5	56.3 57.2	50.8.	58.1 55.9	58.9 59.0	61•4. 62•2
≥ 0000 ≥ 90x3		35.8	41.8	46.5	54.2	54.7	54.0; 50.1	59.2	60.5	61.7	62.7	63.5	54.U	65.2	66.i.	68.5
≥ 8000 ≥ 7000 ≥ 8000		40.6	47.0	51.9	59.6	60.3	61.7	54.8	50.4	67.8	68.6	69.5	70.1	71.3	72.2	74.8.
2 5 2 5 3 4900		42.4	48.6.	54.6	62.6	63.1	64.7	67.9	59.5	70.8	71.8	72.5	73.3	74.5	75.4.	
≥ 4000		44.4	51.3	57.3	65.4	65.9	56.4 57.7 58.8	70.8	72.8	74.2	75,2	75.9	75.5	77.9	78.7	51.3
≥ 3000		46.4	53.9	60.0	69.0	69.7	71.8	75.5	77.5	78.8	79,8	80.6	91,3	82.5	83,4	
≥ 2000	·	49.0	56.6	62.7	72.0	72.7	74.5	78.5	80.4	81.8	82.8	83.5	84.3	85.5	96.3	90.5
≥ '30C ≥ '20C		51.0	58.8	65.4	74.9	75.8	72.2	81.9	84.4	85.9	86.8	27.5	88.3	39.5	90.4	93.0
· ≥ 1000 ≥ 900	<u> </u>	52.5	60.5	67.4	77.0	78.2	8.08	84.5	87.0	85.7	89.8	90.5	91.4	92.6	93.6	96.2
≥ 800		52.8	50.9	67.E	77.5 77.6	78.7 78.8	81.3	85.1 85.2	87.8	89.7	90.4	91.5	92.0 92.4	93.6	94.0	96.8
. ≥ 600 ≥ 500 ° ≥ 400		53.0	61.0	67.9	77.7	79.0	81.5	85.4	77.9	90.0	91.1	91.9	92.7	94.0	95.0	47.5
≥ 300 ≥ 200	<u> </u>		51.0	67.9	77,7	79.0	81.5 81.5	85.5	88.1	90.2	91.4	92.1	93.0	94.3	95.3	98.2
.00 .00 .00			61.0	67.9	77.7	79.0	81.5	35.5	35.1	90.2	91.4	92.1	93.0	94.5	95.8	99.4

USAF ETAC AND 0-14-5 (OL A) reginous comons or this fichig wife descript

UATA PRICESSING RRANCH USAF ETAC AIR \*EATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AR PL

£6-75,73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

<u>0600-0300</u>

GE , NO							- \$ 9	B. TY 574	*.*€ ×.5	S						
££.	≥':	≥ \$	≥;	24	≥;		2:	≥.	≥ .	≥.	2 .	₹ 3	ž ·	25 'e	2.	20
¥0 (5, ¥)		12.9	21.5	25.5	32.9	33.6	35.1	38.1	4ē-1.	42.1	42.3	42.0	42.5	43.8	44.1	45.4
4 279000		20.6	23.7	28.1	<u> 35 • 7:</u>	<u> 35.6</u>	39.4	41.4	43.6	45.8	46.4	45.6	40.8	47,9	48.3	50.2
2 5000		20.5	23.8	28.Z'	35∙₿	35.7	34.5	41.5	43.8	45.9	46.1	46.7	46.9	48.0	48.5	50 • 4
≥ 50%							39.6									
2 40%		20.9	24.1	28.5	36.0	37.4	40.3	42.3	44.6	46.7	46.9	47.5	47.8	48.3	49.3	51.2
± 19%		21.5	24.4	29.4	37-5	38.4	41.4	43.5	45.8	47.9	48.2	43.8	49.1	50.1	50.6	57.5
≥ 3900		22.2	25.8	30.8	39.2	40.1	0.6	45.4	47.8	49.9	50.4	50.9	51.2	52.4	52.8	54.8
≥ 9000		24.1	27.7	32.8	41.0	42.6	45.5	47.9:	50.2	57.4	52.0	53.4	53.7	54.8	55.3	57.3
3 8.4X		28.3	32.2	37.7	46.9	47.9	51-1	53.7	50+0	58.6	59.1	59.7	60.0	61.2	61.8	63.8
≥ "0%		30.2	34.4	40.0	49.4	50.4	52.7	56.3	53.6	61.4	61.9	62.5	62.9	64.0	64.6	66.6
≥ 6000		32.0	30.7	42.2	51.8	52.7	50.0	58.7	51.1	63.9	64.4	65.0	65.3	66.5	67.1	69.2
2 5000		33.5	38.2	43.9	53.7	54.7	55.1	61.1	63.4	66.3	66.7	67.3	67.7	68.9	69.5	71.0
≥ 4500							66									
≥ 4070							67.5									
≥ 3500		37.7	43.2	49.1	59.4	60.5	54.0	A7.3	69.8	73.3	73.8	74.4	74.8	75.9	76.7	78.9
2 3000		35.9	44-6	50.9	61.4.	02.5	60.3	70.0	72.B	76-9	77.4	78.1	78.4	79.6	80.3.	₹7.5
≥ 1500							67.1.									
2 2000							65.6									
≥ '80C							69.2									
≥ 1500		43.0	40.3	56.0	AA . Ó!	68.2	77.5	76.5	73.5	32.7	2041	DA O	SC 3	84.4	37.3	ac.5
≥ -200		44.5	51.1	5R 1.	69.1	70 6	7= 2	73.5	82.6	BE R	27 3	60. n	80 7	30 4	07 2	92.5
≥ '000							76.1									
≥ ₹00	<del>-</del>															94.6
≥ 800		44.7	51.6	ER 6	70.3	71 7	75.7	50 A	94.U	80 4	20 3	07 07	70.3	71.0	97.5	70.0
2 %		5 A Q	51.5	50 0	70	71 0	76.9	31 6	04.1	E- 3	27 A	70 U	70.0.	9107	07 3	74.0
≥ *00		**************************************	51.5	50 7	70.4	72 2	72 1	01.7	37 6	20 0	DN 4	30.4	21.3	72.0	72.0	7792;
		37 0	21.5	50 2	70.0	72 2	77.1	010/.	94.5	07.7	70.4	91.03.	71.7	73.6	77.7	75 1.
2 500							77.1									
		44.8	51.0	57 - C	70+0	72 2	77 3	51.6	97.1	70 • /	71.9	72.02	74.0	74.1	74.0	7/01
, ≥ 300 ≥ 200							77.1									
							77.1									
, 2 X. , 2 0		44.6	21.5	23.5	70.6	12.2	77-1	#1.8	85.I	Y0.8	71.6	92.6	73.4	75.2	¥5.9	99.3
. 2 0		44.8	21.2	24.Si	10.0	12.2	7.1	31.8	22.1.	A0 * 9.	91.6	92.6.	<u>93.4,</u>	42.3i	70.1	100.0

TOTAL NUMBER OF OBSERVATIONS 345

USAF ETAC "COM" G-14-5 (OL A) MENOUS EDITORS OF THIS FORM ARE CRECIFE

DATA PROCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0900-1100

CE.√.							* 2	e "* 3"2								
·ie.	≥ ;	≥¢	2:	24	2:	≥:	2:	2	2 •	2	≥ .	۶,	2	25 °c	2 .	20
NO (\$1. ₩ ± 2000)								45.2								
								49.8								
2 5000			-		_			50.3	_				•		_	
								50.6								
≥ 4000 4 2000								51.4								
								53.1								
> .0000								55.2								
≥ ¥30.		47.2	45.5	50.4	54.2	54.8	<u> 55.6</u>	56.3.	<u>56.5</u>	<u>55.5</u>	56.9	56.9	56.9	<u>57.n:</u>	57.0	57.1.
≥ 30%		45.5	49.0	54.3	58.3	58.9	6j.2	50.9	61.1	61.5	61.0	61.5	61.6	61.7	61.7	61.3
_ ; .xx		47.7	51.4.	57.0.	51.2	61.3	64.1	54.0	64.2.	64,5	54.7	64.7	54.7	64.8	64.8:	54.9
2 5000		49.1	52.8	58.4	62.7	63.3	64.5	65.5	65.7	66.1	66.2	66.2	66.2	46.3	66.3	66.4
. 500		51.6	55.2	60.9	65.1.	65.8	67.3	68.4	66.7	69.0	89.1	69.1	59.1	69.3.	69.3	49.4
≥ 45%		53.1	57.0	ôZ.8	67.0	67.7	69.3	70.4	70.7	71.0	71.1	71.1	71.1	71.3	71.3	71.4
\$ 430								73.3								
≥ 3500		56.1	60.7	66.5	71.4	72.1.	73.6	74.8	75.0	75.9	76.6	76.0	76.0	76.1	76.1	76.2
2 3000		59.1.	6.50	70.0	75.4.	76.1	77.6	79.8.	79.0.	79.9	80.0	80.0	80.0	80.1	50.1	30.21
> 25X	· · ·							82.6								
2 TXX								85.5								
≥ 800		65.3	70.6	77.1	82.9	33.6	84.4	85.8	37.2	88.2	88.3.	88.3	88.3	88.5	88.5	88.5
2 59		58.1	73.5	20.3	86.5	87.5	89.6	91.0	91.4	92.5	92-6	92.6	92.6	92.7	92.7	92.8
2 .700	<del></del>	68.8	74.8	82.1	88.5	89.5	91.8	93.3	93.9	95.1	95	95.2	95.2	95.3	95.3	95.4
3 000		69.1	75.1	82.6	89.4	90.5	92.1	94.8	95.8	97.1	97.7	97.2	97.2	97.5	97.3	47.4
≥ 900	<del></del>	69.1	75.4	82.8	89.6	90.8	93.4	05.2	96.2	97.5	97.	97.6	97.	97.9	97. R	97.9
3 500	•							96.0								
≥ 700	<del></del>	59.3														
_ 500								96.6								
≥ 5% 2 4%		69.3														
								96.6								
≥ 7% : 30		: 69.3														
-	<del></del>							96.6								
j ≥ 100 . ≥ :	j							96.5								
		, 69.3	75.5	53.0	90.1	71.4	94.6	96.6	98.0	99.3	99.5	99.6	99.6	79.9	99.9	100.0

USAF ETAC MAN G-14-5 (OL A) PERPOA ENTONS OF THIS NOW AND ORDER

CATA PRICESSING PRANCH USAF ETAC ATR RESTHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM MOURLY OBSERVATIONS

1200-1400

ota¥°							فق م 		· . * •	5						
-::· =	≥:0	≥ :	≱: -	-4	2	22	≥:	2	٤.	2	2 4	≥ ,	2	2: :	<b>2</b> •	25
V. 38:1705 ≥ 0.000		34.5	37.6	38.5	39.4	39.3	39.3	39.3	39.3	39.3	39.3	39.1	39.3	39.5	39.3	39.3
		9.24.18	43.7	46.9	41.0	<u> 9 / • ¥</u>	47.7	4/.7	97.9	4/.9	4/.7	47.7	<u> </u>	47.9	47.9	47.7
2 \$335 2 KM		47.7	40.7	47.3	40.3	- 95 € € - 60 ×	45.7	48.5	45.5	48.5	48.5	48.5	48.5	43.5	45.5	48.5
		40.2	4/41	48.1	47.0	47.1	49.2	37.2	49.2	49.2	<u>49.2</u>	47.7	<del>49.</del> 2	49.2	49.2	49.2
2 XXX		40.40	41.1	43.8	47.	97.0	49,7	49.9	47.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
		3/.7	73.7	49.9	21.0	21.1	37.7	51.2.	51.2	21.2	<u> </u>	51.7	<u> 31.7</u>	<u> </u>	بإسليد	51.2
2 AFT ≥ 9000		<b>7</b> 11.3	21.5	52.7	23.9	74.1	24.2	54.2	54.2	54.2	24.2	54.2	54.2	54.2	54.2	54.2
		27.4	- 22	5 - 7	<u> 33.7</u>	<u> </u>	55.9	<u> 55.9</u>	<u> 55.9</u>	55.9	<u>55.9.</u>	55.9	<u> 55.9</u>	<u> 55.9</u>	55.9	<u>55.9</u>
≥ 5000 ≥ 1000		27.0	2/.1	yê,Z	27.0	34.1	0U+1	60•1	60.1	60.I	50.l	60 • l	60.1	69.1	60.1	60 • l
		3/.5	<u> </u>	60.5	02.0	<u>62.1</u>	52.4	<u> 52.4.</u>	62.4	62.4	<u>62.4</u>	62.4	<u> </u>	52.4	02.4	62.4
2 5000 2 5000		±.∀د	51.42	62.4	53.8	44.0	64.3	69.3	54.3	ō€ • 3°	54.3	64.3	64.3	54.3	64.3	64.3
		<u>_67.8</u>	54,7	\$6.0	57.2	67.6	65	<u> </u>	68.1	62.1	<u> </u>	55.1	68.1	68.1	69,1	68.1
2 4 12		65.3	57.3	50.5	70.2	70.3	7 <sub>0</sub> .8:	70.8	70.8	70.8	7Ç.8	70.8	70.8	70.8	70.8	70.8
		<u> 65.7</u>	70.7	72.9	74.0	<u>74.2</u>	74.7	74.7	74.7	74.7	74.7	74.7	74.7.	74.7	74.7	74.7
2 3500		72.2	74.2	75.5	77.5	77.7	75,Ž	78.3	72.3	78.4	72.4	78.4	72.4	76.4	78.4	78.4
2 9000		30.E	83.6	<u>85.Z</u>	37.4	87.5	53.3	88.5	58.5	88.4	88.o.	88.5.	\$5.0	86.5	66.6	ôố∗ô:
2 D.K.		<b>\$3.4</b>	36.5	55.1	90.5	90.7	91.4	<b>♀1 • 5</b> .	91.5	91.8	91.5	91.8	91.8	91.5	91.3	91.8
2 XX		84 · 8	88.1	39.6	92.2	92.6	93.5	93.6	93.5	93.9:	94.0	94.0	94.0.	94-0	94.0	94.0.
≥ 5QL		±5.7	89.2	90.9	93.5	93.9	94.8	94.9	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3
≥ `500		37.4	90.8	92.7	95.4	95.8	96.7	96.8	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4
2 .A		87.5	90.7	92.9	96.1	96.5	97.4	97.6	97.9	98.2	93.4	95.4	9E.4	98.4	98.4	98.4
≥ 200		37.6	91.2	93.2	90.5	95.8	97.8	98.1	98.5	98.9	99.1	99.1	99.1	99-1	99.1	99.1
- 90x		87.6	91.2	93.2	90.6	96.9	97.9	98.2	98.6	99.1	99.7	99.2	99.2	99.2	99.7	20.2
≥ 500		87.6	91.2	93.Z	95.6	94.9	97.9	98.2	92.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5
		87.6	71.Z	93.2	95.7	97.1	98.4	98.7	99.4	99.91	00.01	ומ.חמו	00.0	00.0	100.0	00.0
2 AC		87.6	91.2	93.2	90.7	97.1	94.4	98.7	99.4	99.93	nn.ni	เกก.ก	00.0	00.0	100.0	100.0
		27.6	91.2	93.Z	96.7	97.1	98.41	98.7	99.4	99.95	00.0	An n	00.01	00-0	100.0	100.0
≥ 430		87.6	91.2	93.Z	95.7	97.1	99.4	98.7	99.4	99.91	~n.n?	nn.ni	00.0	00.0	100.0	inn-n
2 10.		87.6	91.2	93.Z	96.7	97.1.	92.41	98.7	99.4	90.91	00.0	nn.ni	00.0	00.0	100.0	100.0
≥ 700		87.6	91.2	93.2	96.7	97.1	98.4	98.7	99.4	90.05	กก.กโ	166.6	ກາກ	00-0	ing.n	an.n
* *		87.6	91.5	93.2	96.7	97.1	98.4	GR.7:	30.4	99.91	74.01	ANT A	00.01	00.0	100.01	
2 3		37.6	91.2	03.7	27 X	77.1	00.4	08.7	90.4	90.01	NA A	MA A	00.0	00.0	LOGIO	LVU!
						- 1 T.	7 4 9 T.	2001.	· 7 • • .	·70/1	vveu)	.vv.3)	.vu.u	0040	ACU.U!	. ∪∪• v <sub>:</sub>

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

**夏**春

USAF ETAC "THE 0-14-5 (OL 2) MINOUS EXPOSE OF THE FORM AND ORGANIC

DATA PROCESSING GRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AR DL

06-70,73-77

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE -FROM HOURLY OBSERVATIONS,

1500-1700

1811145							*+\$*	.", 5"4	C. TE MIG	c						
ŧ€€. ;	≥10	≥5	≥5	<u>≥</u> 4	20	≥:	≥:	≥.	, •	2	≥ .	≱ .	2	≥5 %	≥ .	≥0
NO CEILING ≥ 20000							41.8									
≥ 18000 ≥ 18000							50.85 51.0					50.8		50.8 51.0		50.8 51.0
≥ 14000 ≥ 12000							52.4 54.3									52.4 54.3
≥ 10000 ≥ 9000							57.6 60.2									
≥ 8000 ≥ 7000		66.2	67.3	68.8	70.1	70.2	66.51 70.31	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000 2 5000		72.9	74.3	76.1	77.5	77.7	74.0	78.0	78.0	79.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4500 ≥ 4000		<u> </u>	81.9	83.9	85.9	86.0	81.3	ō6.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500 ≥ 3000		E8.5	90.9	93.2	95.2	95.3	90.0	95.6	95.6	95.5	95.6	95.6	72,6	95.6	95.6	95.6
2 2500 2 2000		89.8	92.0	94.9	97.2	97.3	96.6	97.8	97.9	97.9	97.9	97.9	97,9	97.9	97.9	97.9
. ≥ 1800 ≥ 1500		90,7	93.6	96.1	98.5	78.6	98.4 99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000		90.8	93.8	96.3	99.2	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	L <u>00.0</u>	100.0	100.0
≥ 900 ≥ 800		90.8	93.8	96.3	99.2	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		90.8	93.8	96.3	99.2	99.3	99.8	99.9	100.0	100.0	100.0	00.0	100.0	100.0	100.0	100.0
≥ 500		50.8	93.8	96.3	99.2	99.3	99.8 99.8	99,9	100.0	100.0	100.0	100.0	100.0	00.0	100.0	100.0
≥ 300 ≥ 200 ≥ 100		90.8	93.8	96.3	99.2	99.3	99.8 99.8 99.8	99.9	100.0	100.0	00.0	100.0	100.0	100.0	100.0	100.C
≥ 100		90.8	93.8	96.3	99.2	99.3	99.8	99.9	100.0	20.0	00.0	100.0	100.0	100-0	100.0	100.0

USAF ETAC 101 44 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE ORSOITEE

DATA PRUCESSING ARANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AR OL

56-79.73-77

AUG

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1800-2000

CEILING	!						v-\$16	BILLTY STA	JUTE 4 1	5						
*#EET	<u>≥10</u>	≥6	≥5	≥ 4	≥3	≥2:	≥? .	≥1 .	≥' .	≥1	≥ .	≥ .	>	≥5:6	<b>2</b> .	≥0
NO CEILING ≥ 20000	:	44.6 54.5	45.1 55.2	46.2												47.5: 57.7
≥ 18000 ≥ 16000		54.8 55.1		56.7 57.0										58.0. 58.3		
≥ 14000 ≥ 2000		26.1 58.1	56.9 59.0	58.1 60.2				-				- :		59.4 61.5		
> 10000 ≤			65.0	67.1	58.4	68.7		69.1	69.1	69.1	69.1	69.1	69.1	69.1		69.1
≥ 8000 ≥ 7000				77.3	79.0°	79.3	79.6	79.9	79.9	79.9	79.9	79.9	79.9		79.9	79.9
≥ 6000 ≥ 5000	4	79.7	82.6	81.5	86.5	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3		97,3	37.3
≥ 450C ≥ 400C	<b>.</b>	93.3		89.0	91.3	91.5	91.9	92.1	92.1	92.1	92.1	92.1	92.1		92.1	92.1
≥ 3500 ≥ 3000	1 1 T	86.6	88.7 90.8	93.1	95.4	95.6	90.0	96.2	96.3	96.3	96.3	96.3	96.3	94.2	96.3	96.3
≥ 2500 ≥ 2000	e and and and and and and and and and and	87.6	92.0	93.8	96.9	97.3	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800 ≥ 1500		88.2	92.9	94.8	98.1	98.5	95.9	99.2	99.3	99.3	99.3	99.3	99,3	99.3	99.3	99.3
≥ 1200 ≥ 1000	1	88.2	92.9	95.6	98.4	98.8	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100-0
≥ 900 ≥ 800	<u> </u>		92.9	95.6	98.4	98.8	99.4	99.8	100.0	100.0	100.0	100.0	100.0	00.0	190.0	100.0
≥ 700 ≥ 600			92.9	95.6	98.4		99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	<u> </u>	88.2	92.9	95,6 95.6	98.4	98.8	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100,0	100.0
≥ 300 ≥ 200 > 106	:		92.9	95.5 95.5	98.4	98.8	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10G ≥ 0	!			95.6												

USAF ETAC 100 0-14-5 (OL A) PREVIOUS ENTITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR EATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AD DL

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

2100-2300

TOPINS							<b>√</b> -\$ i	8.°° 5"A	tote ⇔le	5						•
ree*	. ≥'°	≥.5	≥5	24	≥3	≥2:	2.2	₹.	≥, •	≥,	≥ 4 :	٤٠,	≥ -	25 's	≥.	≥0
NO CEINING ≥ 20000	,		50.7	53.0 59.5	55.0	55.1	55.7 62.5	55.7 62.5	55.7	55.8	55.9° 62.8	55.9	56.2 63.0	56.2	56.2	56.3
≥ 8500 2000 ≤	•	53,9	57.0	60.0	62.3	62.4	62.9	62.9	62.9	63.0	63.2	63.2	63.4	63.4	63.4	63.5
≥ 14000 ≥ 12000		54.6	58.3	60.7	63.0	53.2	63.7	63.7	63.7	63.8	63.9.	63.9	64.2	64.2.	64.2	54.3 55.8
≥ 19000 ≥ 9000		60.2	64.3	67.3	71.0	71.7	72.2 73.1	72.2	72.2	72.3	72.4:	72.4	72.7	72.7	72.7	72.8
≥ 8000 ≥ 7006		67.9	72.0	75.9	79.8	80.4	7a.7 8a.9	80.9	80.9	81.1	81.2	81.2	81.4	81.4	81.4	31.6
≥ 6000 ≥ 5000		71.8	77.0	80.6	84.8	85.6	83.7 80.1	56.1	86.1	86.3	86.4	86.4	86.7	86.7	86.9	37.0
≥ 4500 ≥ 4000	•	75.2	80.6	84.5	88.9	89.8	89.1 90.3	90.5	90.5	90.6	90.7	90.7	91.0	91.0	91.2	91.4
≥ 350C ≥ 300C	•	76.9° 79.0	82.7	86.8	91.2 93.6	92.1. 94.5	92.6 95.0	92.9. 95.3	92.9	93.0 95.4	93.1	93.1 95.6	93.4 95.8	93.4 95.8	93.6 96.1	93.8
≥ 2500 ≥ 2000		80.1	86.3	90.7	95.4	96.3	95.8	97.1	97.1	97.2	97.3	97.3	97.6	97.6	97.8	98.0
≥ 180C ≥ 150C	!	80.9	87.7	92.1	96.8	97.7	98.2	98.5	98.6	98.7	98.9	98.9	99.1	99.1	99.4	99.5
≥ 1200		80.9	87.9	92.4	97.2	98.1	98.7 98.7	99.0	99.1	99.2	99.4	99.4	99.6	99.6	99.9	100.0
≥ 900 ≥ 800	<u>i</u>	80.9	87.9	92.4	97.2	98.1	98.7 98.7	99.0	99.1	99.2	99,4	99.4	99.5	99.6	99.9	100.0
≥ 700 ≥ 600	İ	80.9	87.9	92.4	97.2	98.1	98.7 98.7	99.0	99.1	99.2	99.4	99.4	99.6	99.6	99.9	100.0
≥ 500 ≥ 400	<u> </u>	80.9	87.9	92.4	97.2	98.1	98.7 98.7	99.0	99.1	99.2	99.4	59.4	99.6	99.6	99.9	100.0
≥ 200		80.9	87.9	92.4	97.2	98.1	98.7	99.0	99.1	99.2	99.4	99.4	99.6	99.6	99.9	100.0
≥ 100	1	80.9	87.9	92.4	97.2	98.1	98.7	99.0 99.0	99.1	99.2	99.4	99.4	99.6	99.6	99.9	100•0 100•0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

USAF ETAC RESIDENCE 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/PAC

#### CEILING VERSUS VISIBILITY

34050

RAMSTEIN AR DL

66-76,73-77

AUG.

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-SALL

CE'L NG							VIS	IBILITY STA	ATUTE MILE	5						
FEET .	≥10	_ ≥6	≥5	24	≥3	≥2.	≥ 2	≥1.	≥1.	≥1	≥ 4	≥ '₃	<b>≥</b> ·	≥5 76	≥.	į ≥c
NO CEILING : ≥ 20000 ·		35.8		41.3	44.8	45.1	45.9	46.7	47.2	47.6	47.9	48.0	46.1	48.5	48.6	49.2
				47.6												
≥ 18000 ; ≥ 16000 ;		42.5		47.9				,	. ,	-		54.6 54.0		55.1 55.4		
≥ '4000		43.3							54.6				55.7			57.0
≥ 12000 j		44.5				53.9			56.2		' 1			57.6		; <del>-</del>
≥ '0000' ≤		47.3							60.1			61.1				62.5
≥ 9000		48.7		55.0			67.4	61.3	,			62.9				
≥ 8000		53.1					65.7		67.2		68.1			68.8		
≥ 7000 }		55.2	58.7	62.2								70.8		71.4		72.3
≥ 6000 ≥ 5000		57.2	60.9	64.6	68.9	69.4	70.5	71.6	72.2	72.8	73.0	73.2	73.4	73.8	74.0	74.7
Li		59.5		67.2		12.2						76.2				
≥ 4550 ≥ 4000			:	69.5				77.0				78.7		79.3		
≥ 3500	<del></del> -	63.3		71.6		77.0		79.5				81.4				<del></del>
≥ 3000		58.2	1	73.7 77.3	~		80.6 34.6	81.7				83.7 88.0				
≥ 2500		69.4		78.7					88.3			89.7		90.3		
≥ 2000			75.7									91.3	91.5	91.9	92.1	92.9
≥ 1800		71.2	76.4					90.0				92.2				
≥ 1500		72.4	77.7		88.1	88.8	90.5	91.9	92.8	93.8	94.0	94.3	94.5	94.9	95.1	95.9
≥ 1200		72.9	78.5		89.2	90.0	91.9	93.3	94.2	95.3	95.5	95.8		96.4		
≥ 1000		73.1	78.7	83.6	89.0	90.5	92.4	93.9	94.9	96.0	96.3					98.2
≥ 900		73.2				90.6		94.1				96.8		97.4		
. ≥ 800		73.2	78.8	83.7	89.8	90.7				96.5	96.8					98.7
≥ 700		73.2	78.9	83.7	89.9	90.8	92.8	94.5	95.6	96.7	97.0	97.3	97.5	47.9		
≥ 500		73.2	78.9	83.8	89.9	90.0	97.9	94,5	95.6	96.8	97.2	97.4	97.7	98.1		99.1
≥ 500		73.2			89.9	90.3	92.9					97.5		98.1	98.4	99.2
≥ 400		73.2	78.9	83,5					95.7	97.0	97.3	97.6	97.8	98.2	98.5	99.3
≥ 300		73.2	78.9	63.8		90.8						97.7				99.5
≥ 200		73.2	78.9	83.8			92.9	94.6	95.7	97.0	97.4	97.7	97.9	98.4	98.7	99.7
≥ 100		73.2	78.9	83.8	89.9	90.8	92.9	94.6	95.7	97.0	97.4	97.7	97.9	98.4	98.8	99.8
≥ 0 ;		73.2	78.9	83.8				94.6	95.7	97.0	97.4	97.7	97.9	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 635

USAF ETAC 101 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAHSTEIN AP DL

56-75,73-77

SEP

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS;

0000-0200

TENNG.							V151	BILITY STA	TUTE MISE	5						
ett.	≥10	≥ 6	≥ 5	≥ 4	≥3	≥2-	≥2	≥'. ;	≥. •	≥,	≥ .	≥,	≥	≥5 10	≥ .	≥0
NO CEIUNG ≥ 20000		26.7 30.7		32.7		37.1 41.5	-	42.3. 46.8		45.4 50.1	40.2	45.8 51.5	47.5 52.3	49.5 54.3		53.7 58.6
≥ '8000 ≥ '6000		30.7 30.8	33.5 33.6	36.8		41.5	44.9		43.1	50.1 50.2	51.0° 5).1	51.5 51.7		54.3° 54.4°	55.1 55.2	58.6 58.7
≥ ,3000 > ,4000		31.1	33.8	37.1 38.2	41.1 42.1	42.0 43.1				50.6 52.0		52.0 53.5	52.9 54.3	54.9 56.3		59.2
> 0000 ≤		34.9 35.7	37.7. 38.9	41.1		46.2 47.6	51.1	53.0		55.2 56.7		56.7 58.1	57.5 58.9		60.5	65.4
≥ 8000 ≥ 7000		39,5 41.5	45.0		50.7 53.1	54.2	57.7	59.6	61.2		64.2	62.4 64.8	63.3	67.9		72.3
≥ 6000 ≥ 5000	· 		47.5	51.2	54.0 55.7	55.1° 56.9°	6-;-ô	62.5		66.2	67.0	65.7 67.6	68.7	68.8 71.0	71.9	75.4
≥ 4500 ≥ 4007		45.8	51.5	55.4		58.9	66.0	64.5	69.4	71.5	72.4	73.1	74.2	73.0		
≥ 350C ≥ 300C			56.4	61.0		60.5		75.6	77.1	79.3		75.6 80.8	82.0	34.3	79.9 85.2	88.7
≥ 2500 ≥ 2000			57.3 59.2	63.8	68.8 70.3		76.9		80.5	80.4		81.9 <u>84.4</u>	83,1 85.6	87.9	86.3	
. ≥ 1800 · ≥ 1500	 	54.8 55.6	60.5	65.1	71.1	72,7 73.8	77.1 78.2	80.2		84.2	84.0	84.3 85.8	87.0	89.3	90.2	93.7
≥ 20C ≥ 1000	!	56,7 57.1	62.1					82.6		86.5		87.4 88.2	88,6 89,4		92.6	
≥ 900	<u> </u>	57.3 57.3		67.4	74.6 74.8	76.4	80.7	83.1		87.0	0.68	88.5	90.0	91.9	93.2	
≥ 700 ≥ 600	 	57.3 57.3		67.4	74.8 74.8	76.4 76.4		83.1		87,0	88.0	88.8	90.1	92.3	93.3	<del></del>
≥ 500		57.3 57.4	62.4					83.2	84.9	87.0 87.3	88.2	89.0	90.4	92.6	93.6	97.0
≥ 300 ≥ 200	<u> </u>	57,4 57,4	62.4	67.5		76.5 76.5		83.2	84.9	87.3 87.3	88.3	89.2	90.5	92.7	93.8 93.8	97.4
≥ 100		57.4 57.4		67.5			= - 6 -			87.3 87.3		89.2	90.5 90.5	92.9		100.0

TOTAL NUMBER OF OBSERVATIONS\_

840

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PRANCH USAF FIAC AIR FEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34075

PAMSTEIN AR DL

65-70,73-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

0300-0500

CEILING							St	BESTY STA	itute w le	\$				<b>.</b>		
FEET "	5.5	. ≥0	≥5	≥ 4	≥3	≥2 :	≥: .	≥1 :	≥. •	≥.	≥ .	≥`.	≥	≥5 16	≥	≥0
NO CEILING ≥ 20000		20.7	22.7	25.6												
≥ 18000 ≥ 16000	-		24.0		31.3	31.8	35.3	38.0	39.2	41.4	42.8. 43.0	43.4		45.5		52.5
≥ 14000 ≥ 12000		22.0	24.1	27.5	31.7	32.3	32.8	38.4	39.7	41.9	43.4	44.0	44.7	46.0	48.5.	53.1
≥ 10000 ≥ 9000		24.7	26.9	30.5	35.3	35.9	2 , . 7	42.3	43.9	46.3	47.7;	48.4.	49.1	50.6	53.1	57.6
≥ \$000 ≥ 7000		29.0	31.8 33.5	35.6	40 . 6	41.1	45.0	47.7	49.3	51.7	53.4	54.2	54.9	56.4	59.0	63.8
≥ 5000 ≥ 5000		31.3		38.0	43.0	43.5	47.4	50.1	51.7	54.1	55.8	56.6	57.3	58.8	61.4	66.3
≥ 4500 ≥ 4000		35,1		41.8	46.9	47.5	51.5	54.2	55.8	58.3	60.0	60.8:	61.5	63.1	65.7	70.8
≥ 3500 ≥ 3000		38.6		45,7	51.8	52.4	56.6	59.3	60.9	63.6	65.3	66.1	66.8	68.4	71.1	76.4
≥ 2500 ≥ 2000		41.8		49.4	55.8	56.9	61.4	64.7	66.4	69.4	71.3	72.0		74.3	77.0	
≥ 1800 ≥ 1500		44.4 45.8	47.8 49.4	52.7 54.3												
≥ 1200 ≥ 1000		46.9 47.4			63.6	65.1	70.1	73.8	75.6	79.0		81.	81.3 82.3		85.6 86.6	
200 ≤ 008 ≤		47.8			64.8									85.0	86.7 87.7	
≥ 700		47.8 48.0	51.8	57.8 58.0	65.1	66.6		75.3	77.2	80-6	82.2 82.4	83.2	83.9	85.5	88.2	
≥ 500 ≥ 400		48.0	51.8		65.2	66.7		75.5	77.5	87.9		83.6	84.3	85.9°	88.6	94.1
≥ 300 ≥ 200		48.0	51.8	58.1 58.1	65.2	66.7	71.8	75.7	77.8	31.3	83.2	84.0	84.7	86.4	89.3	96.3
≥ 100			51.8													

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

880

USAF ETAC ARGA 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRIPT

DATA PROCESSING PRANCHUSAF ETAC AIR \*EATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

3405) RAHSTEIN AP DL

26-7,,, 73-77

0006-0400 7Eb

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

VSBLTY STATUTE MILES CERNO FEET , ≥5 °5 , ≥ . ≥\*0 11.0 13.1 15.4 18.3 18.3 21.3 23 9 20.8 28.6 30.3 31.2 32.0 33.8 34.8 36.7 12.7 15.0 17.1 21.3 21.8 24.7 27.7 30.7 32.9 34.7 35.6 36.3 38.2 39.3 42.0 NO CEIUNG 15.2 17.9 21.7 22.1 23.1 28.1 31.1 33.3 35.1 36.0 35.8 38.7 39.8 42.4 ≥ 18000 12.9 15.2 17.9 21.7 22.1 25.1 28.1 31.1 33.3 35.1 36.0 36.8 38.7 39.8 42.4 12.9 15.2 17.9 21.7 22.1 25.3 28.3 31.3 33.6 35.3 36.2 37.0 38.9 40.0 42.7 12.9 15.2 ≥ 14000 ≥ 12000 23.9 78.9 31.9 34.2 36.3 36.9 37.7 39.6 40.7 43.3 13.0 15.3 18.2 22.0 22.6 14.3 17.0 20.0 24.4 25.1 28.4 31.7 34.8 37.6 39.3 40.2 41.0 43.0 44.1 46.8 15.3 18.0 21.2 25.7 25.3 29.8 33.0 36.2 39.0 40.8 41.7 42.4 44.5 45.7 48.3 ≥ 10000 ≥ 9000 ≥ 8000 ≥ 7000 16.4: 21.4 24.8 29.0 30.2 34.0 37.3 40.6 43.3 45.1 46.1 46.9 49.1 50.2 53.3 20.1 23.3 26.8 31.7 32.3 3.1 39.4 42.7 45.6 47.3 48.3 49.1 51.3 52.4 55.6 21.1 24.4 28.1 33.1 32.8 2.7 41.0 44.3 47.3 49.1 50.1 50.9 53.1 54.2 57.3 ≥ 6000 ≥ 5000 22.9 26.2 30.0 35.4 36.1 4(.0 43.4 46.8 50.0 51.8 53.0 53.9 56.1 ≥ 4500 ≥ 4000 24.8 28.3 32.1 37.7 38.3 42.3 45.8 49.1 52.3 54.2 55.4 56.3 58.6 59.7 63.1 26.0 30.6 34.7 41.2 41.9 40.0 49.4 52.9 56.2 58.6 59.9 60.8 63.1 64.2 67.8 28.6 32.3 36.4 43.0 43.7 47.9 51.4 55.1 58.4 60.8 62.1 63.0 65.3 66.4 70.0 30.2 34.3 38.6 45.4 46.1 51.0 54.8 58.6 62.7 65.1 66.7 67.7 70.1 71.2 74.8 ≥ 3500 ≥ 3000 31.1 35.2 39.6 46.7 47.3 52.2 56.0 59.9 64.1 66.6 68.1 69.1 71.6 72.7 76.3 33.8 38.1 42.9 50.2 50.9 55.8 59.9 63.8 68.0 70.4 72.0 73.0 75.6 76.7 80.3 2500 34.3 38.7 43.6 50.9 51.6 56.4 60.6 64.4 68.7 71.1 72.7 73.7 76.2 77.3 81.0 36.6 41.1 46.2 53.6 54.2 59.2 63.4 67.3 71.6 74.0 75.6 76.6 79.1 80.2 83.9 ≥ 1800 ≥ 1500 37.5 42.7 47.8 55.4 56.1 61.1 65.3 69.6 73.8 76.3 77.9 78.9 81.4 82.6 86.2 38.2 43.4 48.8 55.7 57.3 62.3 67.0 71.3 75.6 78.1 79.7 80.7 83.2 84.3 88.0 1200 ≥ 1000 38.3, 43.8, 49.2, 57.3, 58.0, 63.1, 67.8, 72.3, 76.7, 79.2, 80.8, 81.8, 34.3, 85.4, 89.1, 38.3, 43.8, 49.2, 37.6, 58.2, 63.7, 68.4, 73.1, 77.6, 80.1, 81.7, 82.7, 85.2, 86.3, 90.0 <u>≥</u> 800 38.3 43.9 49.3 57.7 58.3 63.8 68.6 73.2 77.7 80.2 81.6 82.8 85.4 86.6 90.2 38.3 43.9 49.3 57.7 58.3 63.9 68.7 73.6 78.1 80.8 82.3 83.3 86.0 87.1 90.8 700 ٥٥٥ 500 400 300 200 2 38.3 43.9 49.4 57.8 58.4 64.1 68.9 74.1 79.1 82.0 83.7 84.8 87.9 89.6 98.7 38.3 43.9 49.4 57.8 58.4 64.1 63.9 74.1 79.1 82.0 83.7 84.8 88.0 89.8100.0

TOTAL NUMBER OF OBSERVATIONS 90

USAF ETAC 124 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050

RAMSTEIN AP OL

o6-7:,,73-77

<u> ŞEP</u>

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

2500-1100

184 NO							v.\$.;	B. TY STA	"UTE MILE	5						
FEE" "	≥:0	≥≎ .	≥ 5	≥ 4	≥3	≥::	≥ ;	≥1 -	≥1 4	≥	≥ .	≥ ~4	≥	≥ 5 10	2.	≥0
NO CEI, NG ≥ 20000				29.6												
≥ 8000 ≥ 5000		24.8	29.8	34.1	38.0	39.1	43.9	42.9	43.4	44.2	44.7	44.7	44.7	44.9	44.9	45.1
≥ 4000		25.1	30 · 1	34.5	39.4	40.0	41.9	43.9	44.4	45.2	45.7	45.7	45,7	45.9	45.9	46.1
≥ '2000				38.9												
≥ ₹000 ≥ 8000		29.7	35.1	40.3	45.6	46.6	45.8	50.9	51.6:	52,6	53.1	53.1.	53.1	53.4	<u>4,</u>	53.8
≥ 7000		33.9	40.2	44.2	51.2	52.2	54.6	55.7	57.3	58.6	59.1	59.1	59.1	59.4	59.4	59.8
. ≥ 6000 ≥ 5000	_		- ,	46.8				_		. ,						- ~ .
≥ 45€ ≥ 470€				50.9												
≥ 350c ≥ 3000		42.8	49.9	56.1 59.5	62.7	63.8	56.4	69.3	70.1	71.7	72.2	72.3	72.3	72.7	72.7	73+1
≥ 7500		47.9	55.3	61.8	69.0	70.1	73.3	76.6	77.3	79.3	80.0	80.1	80.1	80.4	80,4	81.0
≥ 2000		51.8	59.9	65.9	74.0	15.1	75.7	82.0	82.9	84.9	85.0	85.7	85.7	86.0	86.0	86.6
≥ 1500				70.6												
≥ 1000		55.0	63.9	71.2	79.6	80.8	84.7	88.7	89.7	92.1	92.9	93.0	93.0	93.3	93.3	93.9
≥ 900 ≥ 800		55.0	64.2	71.7	80.3	81.6	85.6	89.6	90.6	93.1	93.9	94.0	94.0	94.3	94.3	94.9
≥ 730 ≥ 600		55.0		71.8	- 4	* * *		- 1	- 1						- 1	-
≥ 500 ≥ 400		55.0 55.0		71.8												
≥ 300 ≥ 200			64.2	71.8	80.3	81.6	35.7	90.0	91.1	94.2	95.0	96.1	96.1	96.9	96.9	97.8
≥ 00 ≥ 0		55,0	64.2	71,8	80.3	81.6	85.7	90.0	91.1	94.3	95.7	96.3	96.3	97.3	97.7	99.6
		22.0	24.6	71.8	00.3	01.0	05./	A0+0	71.1	74.3	72.1.	Y0.4,	75.4	71.4	71.5	<u> </u>

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC RAGE 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESCRET

DATA PROCESSING RRANCH JSAF LIAC AIR MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

34050 R-MSTEIN AR PL 66-7,,73-77

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS.

1200-1400

IE JAG									.*E ₩ \$8 							
*EE" "	≥י≎	≥\$	<u> </u>	≥4	≥\$	27 -	2:	≥.	5. 4	<u> </u>	2.	≥ ,	\$	≥5 ′6	≥ .	20 ;
NO CENING ≥ 20000		33.9	35.0	37.4 44.0	39.0 46.2	39.4. 46.5	39.5	39.5	39.5 46.8	39.5	39.5	39.5 46.8	39.5 46.8	39.5	39.5 46.8	39.5
≥ 19000 ≥ 16000		41.4	43.3	45.8	47.9	48.3	46.5	48.5	48.6	48.6	48.6	48.6	48.0	48.6	48.6	48.6
≥ +4000 ≥ 12000		42.8	44.7	47.3	49.4	49.7	49.9	49.9	50.1,	50.1	50.1	50.1	50.1	50.1	50.1	5Q.1
5 6000 5 ,0000		49.2	51.4	52.5: 53.9	56.1	56.4	50.6	56.6	56.7	55.7	56.7	56.7	56.7	55.7	56.7	56.7
≥ 8000 ≥ *000		53.7	56.5	57.4 59.2	61.6	62.0	62.2!	07.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	02.3
≥ 6006 ≤ 5000		56.2 59.8	59.13 62.0	64.6	64.2	64.5. 67.4	54.7	65.0 67.9	65.1 66.0	65.1 68.0	65.1	65.1	55.1 68.0	65.1	65.1	65.1 08.0
2 4560 2 4000		66.3	69.5	67.6 72.3	75.2	75.5	75.91	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3500 ≥ 3500		76.3	٥0.3	76.3 83.1	86.8	87.1	87.5	87.8	87.9	87.9	57.9	87.9.	87.9	87.9	87.9	87.9
≥ 2500 ≥ 2000		81.2	85.8	85.9	93.1	93.7	94.5	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 180c ≥ 1500		83.0	87.7	89.9 91.4	95.2	95.9	90.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ .200 ≥ 1000		83.3	8.0	91.7	96.2	96.9	98.1	98.8	99.0	99.2	95.2	99.2	79.2	99.2	99.2	99.2
≥ 900 ≥ 800		23.3	88.1	92.2 92.2	90.3	97.0	98.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700 ≥ 600		83.3	88.2	92.3 92.3	96.4	97.1	95.4	99.1	99.3	99.8	99.8	)41.8	99.8	99.8	99.8	99.8
≥ 500 ≥ 400 ≥ 300		83.3	38.2	92.3 92.3 92.3	96.4	97.1	98.4	99.2	99.4	100.01	00.0	100.0	100.0	100.01	100.0	100.0
≥ 200 ≥ X		183.3	88.2	92.3	96.4	97.1	98.4	99.2	99.6	00.01	00.01	100.01	00.0	00.0	100.0	0.00
≥ 0		83.3	58.2	92.3	96.4	97.1	98.4	99.2	99.6	00.0	00.0	00.0	100.0	00.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 999

USAF ETAC AN 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

DATA PROCESSING RANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

SEP

1500-1700
FROM HOURLY OBSERVATIONS

CE JING							• 3 1		~ E W.FE	,						
*EE*	≥,3	≥0	2:	≥ 1	23	≥2:	ş,	≥′	<u> </u>	≥,	≥ .	2 -	≥	≥5 's	2.	≥≎
NO CERNO ≥ 20000	<del></del>									41.7° 51.0						
≥ -8000										51.7						
2.1986	•									52.0						
≥ 14000 ≥ 14000										52.9						
2000' ≤		53.6	55.2	56.7	57.E.	58.1	54.2.	58.2	58.2	58.2	58.2,	58.2	56.2	58.2.	58.2	58.2
> 3000	<del>-</del>	<del></del>								65.6						
≥ 7000		53.4	55.3	66.9	68.1	68.4	65.6	08.6	68.6	6.º0	68.6	68.6	65,6	68.6	58.6	68.6
≥ 5000 ≥ 5000										71.3						
≥ 450C ≥ 400C	•	75.0	77.2	78.9	80.1	80.4	80.6	80.6	80.6	80.6	80.0	80.6	80.6	80.6	80.6.	80.6
≥ 3500		31.6	33.9	85.6	87.2	87.6	87.7	87.7	87.7	85.0	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000		85.3														
≥ 2500 • ≥ 2000	!									94.3						
≥ '800 ≥ 1500	н	89.6														
≥ ,5è¢	<u>-</u>	90.1								98.6						
≥ :000	1									99.4						
≥ 900 ≥ 900	T									99.4						
≥ 700 ≥ 200°										99.6						
≥ 59C		90.3	93.1	95.0	98.2	98.6	99.2	99.4	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 490	1									99.61						
≥ 300		90.3	93.1	95.0	98.2	98.6	99.2	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100   ≥ 0		90.3	93.1	95.0 95.1	98.2	98.6	99.2	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
							<del></del>					- V - V -	- V . V .	- V - U	TARA	77777

TOTAL NUMBER OF OBSERVATIONS 901

USAF ETAC ALAA 0-14-5 (OL A) MEMOUS ENTING OF THIS FORM ARE DISOLET

DATA PROCESSING ARANCH USAF ETAC AIR MEATHER SERVICE/MAC

RAMSTEIN AR PL

#### CEILING VERSUS VISIBILITY

TOTAL NUMBER OF OBSERVATIONS...

1<u>800-2000</u>

27 27 28 28 28 28 28 28 28 28 28 28 28 28 28						FR	OM H	OUSE	OBS	ERVAT	IONS.					#QL/S	12
20 25 24 25 25 25 2 2 2 2 2 2 2 2 2 2 2 2									<b>5</b> 2, ** - 3*/	L* '÷ ∀.	-						
2 2000	*25	\$ <b>.</b> ∿	≥.	≥5	≥ 4	≥:	≥:	≥ ?	≥.	ž ·	5,	٤.	≥,	2	25 5	≥	≥c
2 5000 2 5000 50.4 54.2 56.9 58.0 59.6 59.6 59.6 59.6 59.6 59.6 59.6 59.6	NO 181. YO		42.0	45.1	47.2	48.0	48.3	43.9	48.9	48.9	48.9	43.9	43.9	48.9	48.9	48.9	48.9
5000 50.4 54.2 56.9 58.0 59.0 59.6 59.6 59.6 59.6 59.6 59.6 59.6 59.6	≥ 20000																
5000 5000 5000 5000 5000 5000 5000 500	≥ 9000		50.1	53.9	56.5	58.1	58.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
\$\frac{2}{2000}\$ \$\frac{50.9}{52.6} \frac{50.3}{59.0} \frac{59.0}{60.8} \frac{60.1}{60.1} \frac{60.1}{60.1} \frac{60.1}{60.1} \frac{60.1}{60.1} \frac{60.1}{60.1} \frac{60.1}{60.1} \frac{60.1}{60.1} \frac{60.1}{60.1} \frac{60.1}{60.1} \frac{60.1}{60.1} \frac{60.1}{60.0} \frac{60.1}{62.0} \frac{62.0}{62.0} \frac{67.0}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{67.9} \frac{67.9}{70.2} \frac{73.2}{75.8} \frac{70.0}{79.0} \frac{74.2}{79.2} \frac{74.2}{74.2} \frac{74.2}{79.4} \frac{79.4}{79.4} \frac{79.4}{79.4} \frac{79.4}{79.4} \frac{79.4}{79.4} \frac{79.4}{79.4} \frac{79.4}{79.4} \frac{79.4}{79.4} \frac{79.4}{79.4} \frac{79.4}{	≥ 5000																
52.6.56.3 59.0 60.8 61.2 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62	≥ 4000		50.9	54.7	57.3	59.0	59.4	60.1	50.1	60.1	60.1	60.1	60.1	50.1	60.1	60.1	50.1
2 0000	3 1000																
57.0 62.0 64.8 56.6 67.0 67.8 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9	≥ 3000																
\$\frac{900}{2}\$ \frac{100}{0}\$ \frac{10}{0}\$	≥ 9000																
2 7000 65.01 70.3 73.1 75.2 75.8 70.6 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76	≥ 9000		42.7	67.9	70.7	72.7	73.2	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
5000 67.1 72.4 72.3 77.4 78.0 79.0 79.2 79.3 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4	≥ 7000																
\$\frac{2}{2}\$ \frac{69.0}{1.2}\$ \frac{74.6}{1.7}\$ \frac{77.5}{1.2}\$ \frac{79.8}{1.2}\$ \frac{80.3}{1.2}\$ \frac{81.8}{1.2}\$ \frac{81.9}{1.2}\$ \frac{82.0}{1.2}\$ \frac{92.0}{1.2}	2000€																
2 4000 71.2 76.8 77.8 82.0 82.6 83.8 64.0 34.1 84.2 84.2 84.2 84.2 84.2 84.2 84.2 84.2	≥ 5000																
74.8 80.6 23.8 86.1 86.7 37.9 58.1 88.3 88.4 88.4 88.4 88.4 88.4 88.4 88.4	≥ 4500																
76.1 82.3 85.6 88.1 88.7 89.9 90.1 90.3 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	≥ 4300		74.8	80.6	43.8	86.1	86.7	87.9	89.1	88.3	88.4	88.4	88.4	89.4	88.4	88.4	88.4
79.8 86.1 89.4 92.1 92.7 94.0 94.3 94.6 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7	≥ 3590		76.1	82.3	85.6	88.1	88.7	69.9	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
\$\frac{2500}{2000}\$ \$\frac{80.8}{37.2}\$ \$\frac{90.9}{92.8}\$ \$\frac{95.4}{96.0}\$ \$\frac{96.0}{97.3}\$ \$\frac{97.9}{98.1}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.2}\$ \$\frac{98.2}{98.4}\$ \$\frac{98.4}{98.4}\$ \$\frac{98.4}{98.4}\$ \$\frac{98.4}{98.4}\$ \$\frac{98.4}{98.4}\$ \$\frac{98.4}{98.4}\$ \$\frac{98.4}{98.4}\$ \$\frac{98.4}{98.4}\$ \$\frac{98.4}{98.4}\$ \$\frac{98.4}{98.4}\$ \$\frac{98.4}{98.4}\$ \$\frac{98.4}{98.4}\$ \$\frac{98.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.4}{99.4}\$ \$\frac{99.9}{99.9}\$ \$\frac			79.8	86-1	29.4	92.1	92.7	94.0	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2 200	> 2500		30.8	87.2	90.9	93.6	94.1	95.6	96.0	96.2	96.3	96.3	F . A.D	96 3	76.3	96.3	96.3
2 300 82.3 89.2 93.0 95.7 96.2 97.6 98.1 98.3 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4	-																
87.6 89.4 93.2 96.6 98.0 98.6 98.8 98.9 98.9 98.9 98.7 98.7 98.9 98.9	> 1800																
2 200 82.6 89.4 93.2 96.6 97.1 98.6 99.1 99.3 99.4 99.4 99.4 99.4 99.4 99.4 99.4																	
2 000 82.6 89.4 93.2 96.7 97.2 98.7 99.3 99.6 99.7 99.9 99.9 99.9 99.9 99.9 99.9	> 1267																
2 700 82.6 89.4 93.2 96.7 97.2 98.8 99.4 99.7 99.8 100.0100.0100.0100.0100.0100.0100.010																	
2 500 82.6 89.4 93.2 96.7 97.2 98.8 99.4 99.7 99.8 100.0100.0100.0100.0100.0100.0100.010																	
2 00 82.6 89.4 93.2 96.7 97.2 98.8 99.4 99.7 99.8 00.0 100.0			82.6	80 A	93.7	96.7	97.0	So R	00.4	90.7	90.8	27.7	77.7	77.7	100.0	100.0	7747
2 000   82.6   89.4   93.2   96.7   97.2   98.8   99.4   99.7   99.8   00.0			82.61	90 4	93 2	94.7	97	Os B	60.4	99 7	30 B	100.0	100.0	100.0	100.0	LOO O	00.0
2 500   82.6 89.4 93.2 96.7 97.2 98.8 99.4 99.7 99.8 00.0100.0100.0100.0100.0100.0100.0100	_																
2 400   82.6  89.4  93.2  96.7  97.2  98.8  99.4  99.7  99.8  00.0100.0100.0100.0100.0100.0100.0100.	·		02.0	39.4	73.2	70 1	97 4	75.0	77.7	77.7	77.0	00.0	100.0	00.0	100.0	00.0	10000
2 300   82.5  89.4  93.2  96.7  97.2  98.8  99.4  99.7  99.8 00.0100.0100.0100.0100.0100			04.0	29.4	77.4	40 + 7	31.2	75.0	77.4	77.7	77.5	100.0	100.0	100.0	100.0	00.0	00.0
5 20 2 24-4 35-5 36-5 36-5 38-8 38-4 38-5 38-8 500-0100-0100-0100-0100			02.0	37.4	73.6	70.7	7/02	78.8	77.4	79.7	77.8	10.0	100.0	10.0	LUU-D	UU.Q	100.0
	· ≥ 300 °		82.5	89,4	75.2	70.7	77.2	75.8	99.4	49.7	79.8	100.0	100.0	100.0	100.0	100-0	100.0
1 02 00 07 07 07 07 07 07 07 07 07 07 07 07			82.6	89.4	93.Z	90.7	47.2	98.8	99.4	99.7	<b>99.</b> 8	100-0	100-0	IDC.O	100.0	100.0	roc.o
≥ '∞ 82.6 59.4 93.7 96.7 97.2 98.8 99.4 99.7 99.8100.0100.0100.0100.0100.0100			82.0	59.4	93.2	75.7	77.2	98.8	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
2 0 1 89.4 93,2 96.7 97.2 98.8 99.4 99.7 99.8100.0100.0100.0100.0100.0100	2 0		1 82.6	89.4	93,2	96.7	97.2	98.8	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

-6-7,,73-77

PERCENTAGE FREQUENCY OF OCCURRENCE

USAF STAC ARM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS TORM ARE OBSCRETE

DATA PROCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

400

≥ ≥ 200

#### CEILING VERSUS VISIBILITY

RAMSTEIN A PL 06<del>-</del>7.,,73-77\_\_\_\_\_ SEP PERCENTAGE FREQUENCY OF OCCURRENCE 2100-2300 FROM HOURLY OBSERVATIONS VSB. THI STATUTE MILES ≥ : > 4 ≥: ≥` > 4 A ≥ ± ≥: 40.0 43.9 46.5 50.5 50.8 52.4 53.0 53.7 54.3 55.0 55.6 55.7 56.1 56.4 57.2 2,0000 43.0 47.2 50.5 54.9 55.3 57.1 57.7 58.4 59.0.59.7 2 6000 700€ ≦ 43.3 47.4 50.7 55.1 55.7 57.4 58.0 58.7 59.4 60.1 60.7 60.8 61.3 61.5 62.3 43.4 47.6 50.8 55.2 55.8 57.7 58.2 58.9 59.6 60.3 60.9 61.0 61.5 61.7 67.5 43.7 47.9 51.2 55.6 56.1 58.1 58.8 59.5 60.2 60.9 61.5 61.6 62.1 62.3 63.1 ≥ 4000 ≥ 2000 45.4 49.5 52.8 57.2 57.8 53.7 60.6 61.3 61.9 52.6 63.2 63.3 63.8 64.0 64.8 47.6 52.0 55.3 59.7 60.3 62.3 63.1 63.8 64.5 65.2 65.8 65.9 66.4 66.6 67.4 > 2000 49.0 53.0 57.0 61.4 61.9 61.9 64.7 65.4 65.1 66.8 67.4 67.5 68.0 68.Z 69.0 52.0 56.7 60.3 65.0 65.5 67.5 68.7 69.5 70.3 71.0 71.6 71.7 72.2 72.4 73.2 55.0 60.0 63.7 68.5 69.1 71.3 72.5 73.3 74.1 74.3 75.4 75.5 76.0 76.2 77.0 57.8 63.1 67.1 71.9 72.5 74.7 76.0 76.8 77.6 78.3 76.9 79.0 79.5 79.7 50.5 60.6 66.1 70.4 75.3 76.0 78.3 79.6 80.4 81.2 81.9 82.5 82.6 83.1 83.3 84.1 ≥ 5000 ≥ 7000 ≥ 500° ≥ 1000 ≥ 4500 62.3 67.9 72.2 77.1 77.8 8J.2: 81.4: 82.3: 83.1 83.8: 84.3 84.5 84.9 85.2 86.0 ≥ 4000 64-7 70-3 74-8 80-9 80-7 81-1 64-5 85-3 86-1 86-8 87-4 97-5 87-9 88-2 89-0 ≥ 3500 ≥ 3000 65.0 71.7 76.5 82.0 82.7 85.0 86.4 87.2 88.1 88.7 89.3 89.4 89.9 90.1 91.2 67.9 73.5 78.5 84.7 85.4 87.7 89.3 90.3 91.1 91.8 92.3 92.5 92.9 93.2 94.0 69.1 74.8 79.9 86.1 86.6 89.1 90.7 91.6 92.5 93.2 93.7 93.9 94.3 94.5 95.4 69.8 75.6 81.2 37.4 88.1 90.4 92.0 92.9 93.7 94.4 95.6 95.1 95.6 95.8 96.6 70.1 75.7 81.4 67.6 88.3 90.6 92.2 93.2 94.0 94.7 95.2 95.4 95.8 96.1 96.9 76.9 76.6 82.1 88.3 89.0 91.3 92.9 93.9 94.7 95.4 95.9 96.1 96.5 96.8 97.6 ≥ 2500 ≥ 2000 71.1 77.0 82.6 89.3 90.0 92.5 94.1 95.0 91.8 96.5 97.1 97.2 97.7 97.9 98.7 71.5 77.5 83.2 90.0 90.7 93.3 95.1 96.1 96.9 97.6 98.1 98.6 98.8 99.7 71.5 77.5 83.2 90.0 90.7 93.3 95.1 96.1 96.9 97.6 98.1 98.6 98.8 99.7 71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9 71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9 71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9 71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9 71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9 71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9 71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9 71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9 71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9 71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9 200 79C 3(C ≥ 7°C ≥ 500

71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9 71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9 71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9

71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1 99.9 71.5 77.5 83.2 90.0 90.7 93.4 95.2 96.2 97.0 97.7 98.3 98.4 98.8 99.1100.0

TOTAL NUMBER OF OBSERVATIONS,

USAF ETAC AN 64 0-14-5 (OL A) PRIVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE DATA PRUCESSING FRANCH USAF ETAC AIR JEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AP OL

<u>96-7;,73-77</u>

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

7 <b>5</b> 25								5. · ·								
eği.	≩	≥ 5	≥ :	24	2 -	2:	۷.	2	2 .	2	۶.	₹•	2	23.5	2 •	≥≎
NO 081, NO		29.7	31.7	34.3	37.1	37.6	39.2	40.3	41.7	42.0	42.7	43.0	43 3	44.0	44.0	45.8
2 20000		33.6	36.5	39.4	42.5	43.0	44.8	46.0	46.9	47.8	48.5	48.5	49.1	49.5	50.4	51.8
≥ 3000							45.3									
≥ 5000							45,6									
≥ :4000							46.2									
2 (300							47,7									
≥ 9000		35.3	41.5	54.5	48.1	48.7	50.7	52.0	53.0	54.1	54.7	55.1	55.4	56.2	56.7	58+2
≥ 9000							5,.4									
≥ 5000°		43.4	47.1	50.4	54.2	54.3	50.9	58.3	59.3	60.4	61.1	61.5	61.8	62.6	63.2	64.5
2 '000		45.4	49.3	52,7	56.5	57.1	5,.2	60.6	61.6	52.8	63.5.	63.5	64.2	65.0	65.6	67.1
≥ 6000							61.2									
2 5000		49.5	53.7	57.3	61.2	61.9	54.1	05.7	66.7	68.0	4.60	69.0	69.4	70.2	70, 3,	77.5
2 4500		51.8	56.0	59.6	63.6	64.3	66.5	68.0	69.1	70.3	71.0	71.4	71.8	72.6	73.∠	74.8
2 4300		54.7	59.0	62.8	67.4	58.1.	74-	71.9.	73.0	74.3	75.1	75.5	75.9	76.7	77.5	79.0
≥ 3.00		56.7	ől.l	65.0	69.7	70.4	72.3	74.4	75.5	76.8	77.6.	78.0	78.4	79.2	79.9	81.5
5 3mc		60.0	64.7	68.7	73.9	74.7	77.2	79.0	50.25	81.7	82.5	82.9	B3.3	84.2	84.8	36.5
≥ 2500		01.2	66.0	70.2	75.5	76.3	78.9	80.7	31.9	83.4	84.3	84.7	85.1	86.0	36.6	38.3
≥ %X		63.3	68.3	72.8	-78 · 7 <sup>1</sup>	79.0	31.8	83.7	84.9	86.5	87.3	87.8	68.2	89.0	89.7	91.4.
, ≥ 800		63.7	68.8	73.3	78.7	79,5	82.3	84.3	85.4	87.0	37.9	88.3	88.7	89.6	90.2	61.9
≥ .200		64.8	70.0	74.5	80.0	80.9	8 . 8	35.8	87.0	88.0	89.4	69.9	96.3	91.1	91.5	93.5
2 72																95.0.
2 :900							33.9									
≥ ₹4. 2 800		65.8	71.3	76.2	82.2	83.1	86.2	88.4	89.7	91.4	92.3	92.8	93.1	94.0	94.0	96 • 4
		25.9	71.4	76.3	82.4	83.3	85.4	88.7	90.0	91.8	92.7	93.1	93.5	94.4	95.0	96.7
≥ 700 ≥ 600 :		. 65.9	71.4	76.3	82.4	83.3	80.5	8.85	90.1	91.9	92.8	93.5	33.9	94.5	95.1	39.9
		65.9	71.4	76.4	82.5	83.4	85.5	83.8	90.2	92.0	92.9	93.4	93.5	94.7	95.5	97.0
≥ 500 · ≥ 430		65,9	71.4	76.4	82.5	83.4	85.0	38.9	90.3	92.1	93.1	93.6	94.0	94.9	95.5	97.3
		55.9	71.4	76.4	82.5	83.4	80.0	88.9	90.3	92.2	93.2	93.7	99.1	95.1	95.7	97.4
≥ 300 ≥ 300	•	05.7	71.4	76.4	82.5	83.4	25.0	58.9	90.4	92.3	93.3	93.9	94.3	95.2	95.9	98.0
,	<u> </u>	65.0	71.4	76.4	82.5	83.4	80.6	88.9	90.4	92,3	93.4	94.0	94.4	95.4	90.1	98.6
≥ '00	ŧ	02.9	71.4	/0.4	8Z+5	₫3·4	80.6	85.9	90.4	72.3	93.4	94.0	94.4	75.4	90.2	99.4
	<u> </u>	105.9	71.4	76.4	82.5	.83.4	86.6	59.0'	90.4	97.4	93.4	94.0	94.4	<u> </u>	96.3	100.0

USAF ETAC AND 0-14-5 (OL A) MEMOUS IDEOM OF THIS FOR AN ORIGINA

DATA PROCESSING GRANCH USAF ETAC AIR «EATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

<u> 0000-0200</u>

18.∿3 8661							<b>+</b> ≥ 3	B ** 5%	k"."F √g	•						
****	≱ :	≥e	≥:	24	≥.	1:	2:	≥`	2 .	2		2.	2	25 =	3 -	20
%0 TEUNO 2 20000		12.5	14.5	15.5	17.4	17.5	15.5	19.6	20.6	22.0	22.5	22.5	23.6	2=.4	26.8	28.8
≥ 8000		12.7	17.7	11.0	17 • 4	17.0	25	21.7	22.B	74.3	24.3	25.2	24 A	7£ 0	<b>→</b> 3 €	3 . 7
		7 . 7	12.7	11.0	17.5	12.0	Z:>	/1.8	22.9	24.*	24.3	25.3	25.5	27.0	29.A	21.8
≥ 4000 100		V.4 9:12	10.1	4142	1701	13*A	21.U	22.3	23.3	Z4.9	25.5	25.5	24.6	27.5	30. I	25.4
2 300		14.5	10.0	10.2	20.2	.ZQ.ĕ.	Z:•3.	73.3	74.4	26.0	26.7	27.3	27 2	2A.7	21.3	22.5
5 900		17.9	10.1	20 8	22.2	27.3	23.5	25.1	20.1.	27.7	28.4	23.7	28.9	30.4	33.0	35.4
2 830		17.2	20 - J	21.9	24.3	<del>- 42</del> • 3	23.5	<u> 20.0</u>	<u> 27•2</u>	28.8	<u>ز. 29.</u>	29.8	<u> 30.2</u>	31.7	34.3	36.7
≥ **×.		[8.0	22.0	24.1	26.6	27.m	25.8	27・ショウ、タ	20.0;	30.0	31.4	31.5	31.9	33.4.	36.0	38 • 4;
≥ 5000		20.0	23.3	25.5	28.0	28.4	24.6	<u> 2292</u> .	32.7	34.4	32e4	25 6	<del>29.3</del> .	32.4.	<u> </u>	40.7
2 5.84		(74)	<b>∠0.</b> ♥	27.2	32 · Q	<i>3</i> 7.5	33.7	35.5	35.9	33.8	39.5	19.5	4.3 7	41.8	44.3	Z Z . 9
3 45% 2 40%		21.1	3 <b>⊍•</b> ∀	22.4	30+5	27.0	3z. • 2.	40.0	41.4.	43.4	44.1	46.4	44 2	AA.S	<b>40 1</b>	E . S.
		47.	26.1	22.2	グブ・食剤	37.5	4 9	43.1	44.6	46.9	47.5	47.£	42 2	56.1	50 B	£ £ 2
2 3300 2 3000		35.0	22 • I	20.U	41.9	92.9	4 a . 0.	45.1·	47.5	50.1	50.8	51.1	51.5	53.3	54.n'	E0.5:
		35 5	40 A	44.4	<u>40•⊋</u>	10.4	4 3 3	50.8	52.3	<u>54,7:</u>	55.4	55.7	56.1	52.0	60.8	<u> </u>
≥ 30€		58.S	44.7	48.4	90.9	57.5	50.9	53.4:	34.9	57.4	58.1	58.4	58.8	60.6	63.4	65.9
2 800		39.4	44.8	49.1	54.1	54.5	55.3 50.0	58 8	50.4	67.2.	62.8.	- إحفر	63.7	<u>\$.5.5.</u>	<u>68,2</u>	70.8
_ ≥ :		41.5	47.3	52.0	57.4	57.8:	59.4	A2.21	64.n	56.6	47.3	47.5	29.9:	70 0	77.Q!	71.0
3 29		** Z • ‡	4.3 . 2	77.0	<b>27</b> + ₹;	0U•2	O17:	65 • Z'	67.00	69.6	70.2	70.5	71 1	71.0	75.8	70.2
- 30. ≤ 			JU 4 J.	JU . Z.	OI•#	9/•3	24.4	A7.8	69.7	72.31	72.5	77.7	73 9	フモ フ	75 €	54 B
		77.	31+G	2 . U	07.4	Q2.0	05.0	69.Z	71.1	74.0'	74.5	74.9	75.5	77.4	RA. 2	25.7
		<u> </u>	71.4	21.3	CJ+4-	04 • I'	66.1	59.9°	71.7	74.8	75.5	75.41	7. 2	79.3	21 7	as 7
≥ *30 ≥ 600		45.6	51.4	57 7	03.7	99.3	66.6	70.3	72.2	75.5	76.1	76.5	77.0	78.9	81.5	84.3
·		45.5	51.6	58.0	64.9	A5 - 61	57.7	/1.0:	75.4	75 3	78.2°	75.5	79.0	81.0	83.9	86.3
2 400		45.5	51.6	56.1	65.4	65.9	人主 オフト	72.A	74.5	70.7	/¥•Ų: 70 9	/Y.4(	19.7	51.9	84.7	87.4
<u> </u>		45.5	51:6	56.1	65.3	65.9	63.8	72.7	75.1	79.4	80.6	61.1	81 6	82.7	93.1 EA 7	85 7
2 XX		99.7	21.0	70.1	DJ • 🎉	0>.4	28.7	72.8'	75.3	79.3.	81.2	#1_6°	87.3	AL_A'	AA.51	65.2
2 ₹			21.0	30 * T	07+3	03:31	<b>09.0</b>	7Z.Y	75.4	50.0:	a 1 . 5'	表1.Q:	真寺 棄物	QC.4:	On SI	മെ വി
		45.5	51.6	58.1	65.多	65.9	69.0	72.9	75.4	80.0º	81.5	P1.9.	82.8	85.5	90.91	00.0
																<u> </u>

FROM HOURLY OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

USAF ETAC "44" 0-14-5 (OL A) MINOS ESCONO OF SÃO ESEN ME OBSOUTE

DATA PROCESSING MRANCH USAF ETAC AJR WEATHER SERVICE, MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AR PL

cc-7,,, 13-77

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

EHM.							v (5)	Barty Sta	V*. *E ≪ 3	12						
tēf.	≥ 10	≥0	2.5	≥4	≥,	≥:-	2.7	≥'}	, <sub>2</sub> ,	<u> </u>	2 •	2 x	,	≥ 5 10	≥ .	≥0
NO CEILING ≥ 2000X	<del> </del>	10.5	11.8	13.8	15.6	15,7		17.7				20.5	21.3	28.4		26.5
≥ 18000 ≥ 16000		11.5	12.9	14.8	16.7	16.8	17.6		20.0		21.0	21.8	22.0	23.7 24.1	24.8	
≥ 4000 ≥ 12000	!	11.7	13.2	15.4		17.5	18:4		20.8 21.1	21.7	22.4	22.6		24.4	25.0	:
≥ 10000 ≥ 9000	1	12.5	14.4	16.7	18.9 19.2	19.0	17.9		22.4	_		24.3	25.1 25.4			30.4
≥ 8000 ≥ 7000	,	13.1	15.1 15.8	17.5	20.9	20.1	21.1	22.8	23.9	-	25.6 26.5	25.8 26.7	26.6	27.6 28.6		31.9 32.9
≥ 6000 ≥ 5000	!	15.2 17.5	17.4.			22.8	24.0	_	20.9 30.8	28.0 32.3	28.7	28.9	29.7. 34.1	30.9 35.5	32.0	35.2
≥ 4500 ≥ 4000		20.3 22.8	23.3		30.2	30.4	31.7	37.2	38.3	36.7 39.9	37.5 40.8	37.7	38.5 41.8	39.9 43.2	41.1	44.2
≥ 3500 ≥ 3000		25.1	28•2 31•0	35.4	36.0 39.9	;	37.5 41.6	39.7 44.7	45.9	42.7 47.6	43.5	43.9	44.6	46.0 51.0	47.3 52.3	50.4 55.4
≥ 2560 ≥ 2000		+	32.9 36.8	41.2	46.8		45.7	46.8 52.0	53.5	55.3	50.5 56.1	56.5	51 0 57.2	53.0 58.7	54.3 60.0	57.5 63.2
. ≥ 1860 · ≥ 1500		33.1		46.1	47.5 52.4	52.7	54.5		54.4 59.4	56.1 51.3	57.0 62.2	62.5	58.1 63.2	59.6 64.7	60.9 65.0	64.1 69.2
≥ 1200		40.3	43.2	50.2	54.8 56.6	56.9		61.1 63.5	ا و جَن	67.6	65.5 68.5	65.8 68.8		68+1 71+1	72.4	72.5 75.6
≥ 900		+	46.0			58.7			69.0			71.0 73.0		75.3	76.6	79.9
≥ 700 ≥ 600		42.7	46.6	53.2	60.3	60.6	64.1	1,8.7	69.7 71.1		73.3	75.7	76.5	75.9 78.0	79.2	82.7
≥ 500 ≥ 400	ļ	42.7	47.1	53.2	61.4			69.7			77.5	77.8		<b>00+5</b>	7.1	85.4
≥ 300			47.1	53.2	61.5 61.5	61.8	65.3	70.1	73.2	77.5		74,7	80.5	83.0		91.9
≥ 100	<u> </u>	42.7				61.8		70.1 70.1	73.2	77.8 77.8			81.1	84.1		98•3 100•0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_936

USAF ETAC NE 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTIIN AP DL

06-70,73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u> c</u>♥७५-०४००

CEILING							V*SI	BILITY STA	TUTE MILE	\$						;
FEET	≥10	≥6	≥ 5	≥ 4	≥3	22 7	≥?	≥ì;	≥. •	≥;	2.	≥ \ş	≱ : ,	≥5 10	≥	. ≥≎ ;
NO CERING		6.3 7.8	7.7		10.1		11.4	11.7				_	14.3.		16.0	18.0 21.7
≥ 18000 ≥ 16000		8.0°	10.0		12.5	12.9	14.1		14.8	16.6			17.6		19.6	21.9
≥ 14000 ≥ 12000		8.7		12.4 13.0	13.4	13.5 14.3	14.8	15.3		1	1	_	18.4	19.5		22•8 23•9
≥ 10000 ≥ 9000		9.4	12.5		15.9		17.6		18.5	20.2		20.3				25•2 26•0
≥ 8000 ≥ 7000		10.2	12.9 14.2			16.7	13.3	20.3	19.1	. 1	21.0	21.8	22.2	23.3	1	26 • 7 28 • 2
≥ 6000 ≥ 5000		13.0	15.0	21.1	23.0	20.5	22.2 25.2	25.9	23.1	28.4		25.8	26.1	27.4	28.4 32.5	30 • > 34 • 9
≥ 4560 ≥ 4000			23.3	26.8	25.9 29.0	30.0		32.8	33.2	31.4		,	1			38.0 42.0
≥ 3500 ≥ 3000			24.9	32.8		37.3	39.6	37.0 40.8	41.6		40.8	45.5		<u> </u>	48.7	51.2
≥ 2500 ≥ 2000		<del></del>	34.4		44.0	44.5	47.1		49.7	52.4		53.P	54.4	55.8	57.0	53.8 59.5
≥ 1800 ≥ 1500				43.4	49.1	49.8	57.6	49.9 54.1	55.4	53.9 58.5	59,9	60.3	61.0	67.4	63.5	61.0 66.0
≥ 1200 ≥ 1000		34.8	40.8	46.8	54.0	54.8	58.6	56.3 60.4	62.0	65.5	67.0	67.5	68.4	69.8	71.0	
≥ 900 ≥ 600		34.9 35.1	41.0	47.1	55.2	56.2		62.0	63.8	67.5		69.7	70.5	71.9	73.1	75.6
≥ 700 ≥ 600			41.2	48.0	55.7 50.1	57.4	61.5	54.4	66.2			72.5	73.4	74.8	76.0	78.5
≥ 500 ≥ 400		35.2	41.4	48.1	56.0	58.0	52.5		68.3	73.9	75.9	77.2	75.9	79.8	81.0	83.8
≥ 300		35.3		48.2	56.7	58.1	63.0		68.5	75.4	77.8	79.6	81.3	83.1	85.9	92.0
≥ 100 ≥ 0		35.3	41.5	48.2	56.7	58.1	63.0	56.6	68.9	75.7	78.2	79.9	81.5 81.6	83.8	87.2	100.0

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC JOI 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PRANCHUSAF ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RANSTEIN AP DL

26-71,73-77

OCT

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-1100

CEILING							VIS	BILITY ST	A"_"E MIL	£5						
fEET	≥10	, ≩6 !	≥ 5	≥ 4	≥3 '	≥2	≥ 2	≥i,	≥:.	<b>≳</b> 1	≥ -4	≥`,	≥	≥5 16	≥ .	≥0
NO CEILING ≥ 20000		7.6		10.3		11.2	11.9	12.6	12.6	12.7	12.8	12.8	12.8	12.8		13.5
≥ 18000 ≥ 16000		10.9	12.7	14.2	15.3	15.4	16.4	17.0	17.2	17.4	17.8		17.8 18.0		18.6	18.9
≥ 14000 ≥ 12000		11.7	****	15.Z	16.3	16.5	17.4	18.1	18.3	18.5	18.8	10.8	18.6	18.9	19.7	;
≥ 10000 ≥ 9000		13.7	15.8	17,3	18.6	19.1	20.3	21.0	21.2			21.9	21.9	20.1 22.0 22.3		23.1
≥ 8000 ≥ 7000		15.4	17.8	19.4	20.8	21.2	22.5	23.1	23.4	23.7	24.0			24.1 25.9	24.9	25.3
≥ 6000 ≥ 5000		17.3	20.1	21.7	23.7	24.3	25.6!	26.3		26.8	27.1		27.2	27.3	28.1	28.5
≥ 4500 ≥ 4000		20.1	23.4	25.2		28.1	29.7	30.5	30.8				32.3	32.5	33.3	33.7
≥ 3500 ≥ 3000				30.8. 35.4		34.4 39.6		36.9	37.5	38.6 44.6	39.1	39.2	39.2	39.5	40.3 46.3	40.7
≥ 2500 ≥ 2000				38.5 43.6		43.1	44.8 50.4	46.3	46.8	48.2 54.0	43.8	48.9	48.9 54.7	49.2	49.9 55.8	50.5
≥ 1800 ≥ 1500		35.5	41.1	44.8	49.1	49.8		52.9	53.8	55.8		56.4	56.4	56.7	57.5	
≥ 1200 ≥ 1000		,	47.1		58.0 62.8	59.3	61.9		64.5	66.5	67.2	67.4	67.4		4.0	
≥ 900 ≥ 800			49.5	55.2		55.2	68.6		72.0	74.4	75.0		75.2		76.4	77.0 78.8
≥ 700 ≥ 600				55.7 55.7	65.3 65.8	66.6 67.3	70.6	73.0	74.8	77.5		78.4	78.4	78.7	79.5	80.1
≥ 500 ≥ 400		41.7	49.5	55.7		67.4	71.8	74.5	77.1	81.3	82.3	82.6	82.7	83.0	83.9 86.5	84.4
≥ 300 ≥ 200		41.7	49.5	55.7	65.8 65.8	67.4	71.9	75.7 75.7	78.5 78.6	85.3 85.7	87.0 87.8	87.6 88.7	87.9	91.2	89.5	90.4
≥ 100 ≥ 0					65 · 8		/1.9	75.7	78.6	85.7 85.7	87.8	58.7	89.4	91.5	94.11	99.6

TOTAL NUMBER OF OBSERVATIONS

925

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

3.050 RAMSTEIN AB OL SAFON NAME

06-7.,73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-1400

CFRING							VISI	BIL.TY STA	IJIE MILE	s						1
i feet !	≥10	≥6	≥5	≥4	≥3	≥2:	≥2	≥1	≥1.	≥,	≥	≥ .	≥ .	≥5 10	≥.	≥0
NO CEILING		19.9	21.1	17.6	25.2	25.3	2 5 . 7	26.3	26.6	27.1	27.1	27.2	27.2	27.2	27.2	27.2
≥ 18006 ≥ 18006				23.1												
≥ 14000 ≥ 12000			23.2	23.8 25.1	27.7	28.0	2 - 4	29.1	29.4	29.9	29.9	30.0	30.0	30.0	30.0	
5 \$000 5 ,0000		23.9	25.9	28.1	31.0	31.2	31.7		32.9	33.4	33.4	33.5	33.5		33.5	33.5
≥ 8000 ≥ 7000		26.8 28.4	30.2	30.4 32.8	35.7	36.1	30.7	37.6	37.8	38.4	38.4	35.5	38.5	38.5	35.9 38.5	38.5
≥ 600C ≥ 5000		29.4 31.7	34.0	34.5	41.0	41.4	42.2	43.1	43.3	44.0	44.0	44.1	44.1	44.1	44.1	
≥ 450C ≥ 400C		34.0 36.0	38.9	39.7 41.7	45.5	45.9	45.9	47.8	48.1	48.7	48.7	48.8	48.8	48.8	48,8	
≥ 3500 ≥ 3000		41.2	51.1	54.5	59.1	59.8	60.8	51.8	62.0	63.	63.1	63.2	63.2	63.2	63.2	
≥ 2500 ≥ 2600		54.8	59.0	59.6 63.2	68.6	60.2	70.4	71.6	71.8	73.0	73.0	73.1	73.1	73.1	73,1	
≥ 180C ≥ 1500	<u></u>	56.2	65.8	65.1	74.9	75.6	70.8	78.0	78.2	79.5	79.5	79.5	79.6	79.6	75.1 79.6	79.6
≥ 1200		60.5	66.9	73.0	82.2	79.9 82.9	84.8	86.5	83.1	88.5	88.5	88.6	88.6	88.6		88.6
≥ 900 ≥ 800			67.3	73.5	83.8	83.9	87.3	89.4	90.3	91.9	91.9	92.0	92.0	92.0		92.0
≥ 700 ≥ 600	<u> </u>	60.9	67.3		84.4		88.1	90.6		94.5	94.5	94.6		94.6		94.6
≥ 500 ≥ 400	<u> </u>	+	67.3 67.3	73.8	84.6	85.6	88.9	91.4	93.9	97.0	97.2	97.4	97.5	97.5	97.5	97.5
≥ 300 ≥ 200 > 100		61.0	67.4	73.9	84.7	85.8	89.1		94.2	99.3	5.89	99.0	99.1	99.6	99.7	99.7
≥ 100 ≥ 0	! !	51.0		73.9												100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_\_\_\_

USAF ETAC #104 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PRANCH USAF ETAC AIR REATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AR DL

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66-70,73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE 'FROM HOURLY OBSERVATIONS;

1500-1700

CENNU							V \$1	EILTY STA	*,*E w .E	s.						
FEE" "	₹.¢	, که	≥ 5	≥ 4	≥3	≥:	≥?	≥.	≥. •	2	≥ .	≥ ,	≥ -	≥5 °o	≥ .	≥0
NO CENING ≥ 20000		21.1	24.3			28.5				30.1 37.3				30.1 37.3		30.1 37.3
2 '8000 2006° ≤		- 1	30.8°		_	-				37.7° 38.2		- ,				37.7 38.2
≥ 14000 ≥ 12000		28.7 29.6	<b>-</b> ,		_	1				35.6 40.1		- :				38.6
≥ 5000 ≥ 9000		32.3	37.1.		42.3	47.4	4 4 . 7	44.2	44.5	43.1	44.9	44.9	44.9	44.9		44.9
2000 ≤		34.2 37.5				47.4	40.7	49.2	49.6	46.0 50.0	50.0	50.0	50.0	50.0		
≥ 6000 ≥ 5000		39.9 43.4	44.4	47.0 51.1	50 • 1 54 • 3:		55.7	56.2	56.6	52.9	57.1	57.1	57.1	57,1	57.1	52.9 57.1
≥ 453° ≥ 4000	,	49.6	50.4 54.4	57.5	61.6.	61.7	63.2	03.8	64.1	59.5	64.0	64.6	64.6	64.6	64.6	64.6
2 3500	i 	50.2	65.9	69.7	74.5	74.9	75.5	77.1	77.4	70.0 78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2500 ≥ 2000		07.4	71.1	75.3		80.8	8/.5	53.4	83.9	81.1	84.6	84.6		84.6	84.6	
≥ 1800 ≥ :500	: 	65.3	74.7	79.1	85.1		87.1	58.1	88.7	86.1	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1206 ≥ 1000	<u> </u>	67.6	76.5	81.6	88.0	90.1	97.4	93.8	94.5	93.1 95.5	95.5	95.5	95.5		95.5	1
≥ 900 ≥ 800	<u> </u>	68.0	76.7	81.8		90.9	93.5	95.2	96.1	96.1	97.3	97.3	97.3		97.3	97.3
≥ 700 ≥ 600	: <del> </del>	68.0	76.7	81.8	90.4		94.2	95.8	97.0	98.4 98.6	98.6	96.6	98.6		98.6	98.6
≥ 500 ≥ 406	-		76.7	81.8	90.4		94.5	96.2	97.5	99.1 99.5	99.5		99.3	99.5	99.5	
≥ 30° ≥ 20°	 <del> </del>	68.0	76.7	81.8	90.4	91.3	94.5	96.2	97.6	99.9	99.9	99.9	99.9		99.9	100.0
≥ 10C ≥ 0	<u> </u>	68.0								99.9						100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 1044 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

34055 RAMSTEIN AR DL 66-70,73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

<u> 1800-2000</u>

CERING							v+\$1	B14174 S7	ATUTE MIC	ES						
FEET	≥10	. ≥6	≥ 5	≥ 4	≥3	≥2 -	≥ ?	≥.	≥' .	≥	2.	≥ ,	≥ -	3: ¢≦	≥.	≥0 -
NO CEIUNG 1 ≥ 20000		22.0	23.4	25.3	27.7	28.2	30.4	30.6	30.9	31.6	32.3	32.3.	32.5	32.6	32.7	33.0
≥ 800%		27.0	28.8	30.8	33.5	33.9	37.3	37.6	37.8	39.2	39.7 40.0	39.7 40.0	39.9	40.0	40.1	40.5
> .9000		21.2	29.0	31.0	34.0	34.4	37.5	37.8	38.1	39.5	40.2	40.2	40.4	40.6	40 8	41.7
≥ +4000 ≥ 11000		21.1	27.0	31.3	34 . 0	35.1	35.4	38.7	38.9	40.4	41.2	41.2	41.4	41.6	41.7	42.7
≥ '0000		31.4	34.1	36.1	39.2	36.8	40.1	40.4	40.6	42.2	42.9	42.9	43.1	43.3	43.4	43.9
≥ 9000		32.0	34.9	37.0	40.3	40.8	44.2	44.5	44.7	46.2	47.0	47.0	47 2	47.4	40.5	46.9
≥ 8000 ≥ 7600		24.7	20.4	40.2	43.5	44.0	47.4	47.7	48.0	49.5	50.20	50.2	50 4	50.A:	50.5:	61.7
≥ 6000		1 30 A	40.0	42.1:	40.0	45.5	49.9	5G•2'	50.4	51.9	52.7	52.7	52.9	53.1	53.2	52.7
≥ 5000 ≥ 5000		: 49•U	44.3	40.5	47.8	50.2° 54.7	53.7	54.0	54.2	55.7	56.5	56.5	5A 7	54. Q	57 A.	<b>37.</b> 6
≥ 4500 ≥ 4000	_	41.5	2 Z • U:	24 • H	<b>⊅</b> ₽ • 4:	28.8	67.3	52.6	62.8	64.3	65.1	65.1.	65.31	65.5	45.4.	44.0
		21.0	24.9	21.2	DI . /	02.4	05.9	66.2	66.5	68.00	68.7	68.7	68.9	69.1	69.2	50.7
≥ 3500 ≥ 3000		1 22 6 2	20+0	OU • 41	07.4	00.0	09.0.	70.0	70-21	$T1 \cdot T'$	72.5	72.5	72 7	77.01	73 n	77.4.
≥ 2590		58.9	65.1	67.5	73.5	71.0	72.3	78.8	79 0	80.5	77.6	77.5	77.8	78.1	78.2	78.5
≥ 2000		01) • 4	6/.0	07.7	76.5	17.4	81.6	82.2	87.4	83.9	84.6	84.6	84 R	85.1	85.2	. 5 . A
≥ 1800 ; ≥ 1500 ·		011+0	0/.2	10.4	/ / • O	78.Q	82.2	52.8	83.0	34.5	85.3	85.3	25.51	85.7	85.8	86.21
≥ 1200		1 21 . 2	08.2	/1.0	79.1	80.1	84.5	85.3	85.6	87.1	87.8	87.8	88.1	88.3	RR.A	QQ_R
. ≥ 1000		62.2	69.6	73 7	81.3	82.4	87.3	38.4	89.1	90.8	91.5	91.5	91.7	91.9	92.0	92,5
≥ 900 1		62.2	69.4	73.7	82.0	83.1	88.5	89.0	91.0	92.2	97.9	92.9	93.1	93.3	93.4	93.9
2 800 ;		DZ+Z	07.4	13.1	82.4	83.4	88.8	90.2	91.4	93.5'	94.3	94.3	94.5	94.7	94 8	05.3
≥ 700 !		05.0	07.0	12.0	04.5	03.8	89.2	<i>-</i> 90∙6⊩	92.0	94.2	94.91	94.9	95.2	95.4	95.5	GK. 9:
≥ 500		02.0	07.0	12.0	04.0	83.9	89.4	90.9	92.5'	94.6	95.4	95.4	95.6	95.0	95 9	64.3
≥ 400		62.3	69.5	73.8	82-9	84.0	80 8	91.5	93.1	95.5	96.2	96.2	96.5	96.7	96.8	97.2
, ≥ 300		02.3	69.5	73.8	82.9	84.2	89.8	92.2	94.1	97-0	97.7	91.2	97.4	9/06	97.7.	98.2
≥ 200		02.0	04.2	10.0	82.9	84.2	59.8	92.2	94.1'	97.1	98.0	98.3"	A. RP	48 ~ O,	99.0	00.8
≥ '00' ≤ 0 ≤		. UZ • 21	02.0	12.0	04.9	04.2	89.8	92.21	94.1	97.11	98.01	98.3	98.AL	92.9	99. 01	ΔΔ - Ā:
≥ 0		57.3	69.5	73.8	82.9	84.2	89.8	92.2	94.1	97.1	98.0	98.3	98.6	98.9	99.01	00.0

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC MAIN 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRICESSING PRANCH DATE TAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 PAMSTEIN AP OL 06-7),73-77

\_\_\_<u>#Ci</u>\_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

2100-2300

CE UNIS							٠ 5	ē. ** ≤"å	``_*E • 6	Ē						
∓£≅* *	5,5	≥ 5	≥ 5	≥ 4	ذ ≤	20 t	≥:	≥.	≥ .	≥	≥ .	≥,,	≥ .	≥5 °e	≥ .	≥:
NC 78.1NG ≥ 20000							25.7 23.8									
2008 ≤		29.1	22.5	23.9	27.1	27.5	29.2	30.5	31.3	34.5	34.9	35.6	30.0	37.6	38.5	39.6
≥ 4000 ≥ 2000							30.2 31.1									
> 999€ ≤							32.4 33.2									
≥ 8000 ≥ 7000		25.1	28.2	29.8	33.2	33.7	35.5°	36.9	37.6	41.1	41.7	42.4	43.3	44.5	45.4	45.6:
≥ 5000 ≥ 5000							4:.5 40.2									
≥ 4500 2 4000		47.1	44.2	46.8	51.6	52.2	51.3 59.6	56.2	57.0	60.5	61.3	<u>9.16</u>	52.9	64.1	64.9	للعةم
≥ 350C ≥ 300C .		46.6	51.2	54.3	59.8	60.3	63.1	64.7	65.5	69.1	69.9	70.5	71.5	72.7	73.5	
≥ 2506 ≥ 2906	<b>_</b>	50.8	56.0	59.1	65.1	65.7	64.8	70.4	71.2	74.8	75.6	76.2	77.2	78.4	79.2	
. ≥ '800 ≥ :500		52.0	57.8	61.5	68.0	68.6	71.8	73.7	74.4	78.3	79.1	79.8	80.5	81.9	82.8	51.4 54.1
≥ .200 ≥ '000		53.8	50.0	64.7	71.7	72.5	76.3	78.5	79.5	83.3	84.4	85.1	86.0	87.2	88.1	87.5 89.4
≥ 900 ≥ 800 ===================================		54.0	60.3	65.1	72.2	72.9	75.7 77.0	79.1	80.1	84.7	85.9	86.6	87.5	88.7	89.6	90.9
≥ 700 ≥ 600 ·		54.3	60.8	65.6	73.4	74.2	77.6 75.5	80.9	81.8	86.7	87.8	88.5	89.5	90.6	91.5	92.8
≥ 500 - 400		54.3	60.8	65.6	73.7	74.4	78.6 73.7	81.4	82.9	88.4	89.a	90.5	91.5	92.7	93.7	94.9
≥ 200		54.3	60.0	65.6	73.7	74.4		81.4	83.3	89.0	90.5	91.7	93.0	94.7	95.7	98.2
≥ .00 ≥ 0							78.7 78.7									

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING PRANCH USAH ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050 RAMSTEIN AP OL

PERCENTAGE FREQUENCY OF OCCURRENCE

ALL

CELING				/			v-\$*\$	5; ** 5*A	TuTE MitE	5	-		N	_		· · · · · · · · · · · · · · · · · · ·
*85"	≥10	≥ ć	≥ 5	≥ 4	≥ 3	≥::	≥ 2	≥′	≥ . •	2	2 .	≥ 3	≳	25 6	≥ . '	≥0
NO CEUNG ≥ 20000										22.6: 27.0	-		-			
2 18000 ≥ 15000		17.6	19.5	21.3	23.5	23.7	25.0	25.8	26.3	27.2° 27.5	28.3	28.1	28.5	29.1	29.9	30.8
≥ 10000 ≥ 10000		13.7	20.9	22.7	25 · u	25.3	20.7	27,5	20.1	28.1	29.8	30.0	30.3	30.9	31.7	
≥ 3000 t		20.8	23.5	25.2	27.7	28.0	29.5	30.4	30.9	31.3 32.2	32.7	32.9	33.2	33.9	34.7	35.9
≥ 9000 ≥ 7000		24.0	26.9	29.0	31.7	32.0	33.6	34.6	35.1	34.3 36.5	36,9	37.1	37.5.		38.9	38.0 40.2
≥ 5000 ≥ 5000			31.9	34.4	37.4	37.8	39.5	40.6	41.2	35.7	43.3	43.5	43.8	44.6	45.4	46.7
≥ 4500 ≥ 4000	<u> </u>		37.6	40.4	44.2	44.6	45.4	47.7	48.3	46.3. 49.9	50.5	50.7	51.0	51.8	52.7	50+2 54-0
≥ 3500 ≥ 3000 ≥ 2500		40.7		48.6	53.3	53.7	55.7	57.2	57.9	5%.0 59.8 62.9	60.4	60.5	61.0	61.8	62.6	58.0 63.9
≥ 2000		45.7	51.1	55.0	60.3	60.9	63.1	64.7	65.6	67.5	68.1	68.3	68.7	69.5	70.4	71.7
≥ 1500		48.6	54.4	58.9	65.0	45.6	65.0	69.7	70.7	72.8	73.4	73.7	74.1	74.9	75.8	
. ≥ .000		50.7	57.2	62.5	70.1	70.8	73.9	76.1	77.3	79.7 81.0	80.4	80.6	81.1	81.9	82.8	84.1
. ≥ 800		51.1	57.8	63.5	71.5	72.3	75.7	78.1	79.5	82.Z 83.1	83.0	83.2	83.6	84.5	85.4	86.7
≥ 500		51.3	58.9	63.7	72.3		75.9			84.5						69.0 90.3
≥ 400	<u> </u>	51.3	58.0	63.8		73.6	77.6	80.9	83.0	86.7	88.7	89.3	89.8	90.8	91.6	93.6
≥ 200	<u></u>		58.0		72.6	73.6	77.7	80.9	83.2	87.9	89.3	89.9	90.8	92.3	94.2	99.1
≥ 0		51.3	58.0	63,8	72.6	73.6	77.7	80.9	83.2	87.9	89.3	90.0	70.8	92.3	94.3	100-0

FROM HOURLY OBSERVATIONS.

TOTAL NUMBER OF COSERVATIONS\_\_\_\_

743

USAF ETAC MAIN 0-14-5 (OL A) MEMOUS EDITIONS OF THIS FORM ARE DISOLETE

CATA PROCESSING ARANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CEN NO.							¥ 'g'\$	5. * 5*4	Yu*£ ∀ .5	-				_		_ ,
· ē ē · · ·	≥ ≎	≥ c	≥5	24	≥ 3	≥:.	2:	≥.	≥ .	2	≥ .	.;·	≥ -	≥; 'è -	≥ ₄	≥0
NO CEILING ≥ 20000		13.9	16.3	18.2	20.0	20.5	71.6	22.3	23.0	23.4	23.5	23.8	23.9	24.41	24.8	27.0
≥ 18000 ≥ 6300		14.0	17.3,	19.6	21.4	21.9	22.9	23.7	24.5	24.9	25.1		25.5	26 - 1		29.5
≥ 14000 ≥ 12005		15.3		20.0												
≥ 1000° ≥ °000°				21.1						27.3	27.4	27.7	27.9	28.4	28.9	32.0
≥ 8000 ≥ 7000		19.7	23.0	24.2	27.5	23.0	23.3	37.3	31.1	31.5	31.7	32.0	32.1	32.7	33.1:	
≥ 6000 1 5000		24.5	28.0	27.9° 30.8	32.9	33.3	34.7	36.2	37.4	37.9	35.0	38.4	38.5	39.0	39.5	42.6
≥ 4500 ≥ 4000		31.1	34.8	32.3. 37.6	40.2	40.7	42.3	44.0	45.1	45.7	45.9	46.3	46.4	47.0	47.4	50.7
≥ 3500 ≥ 3000		38.1	42.4	40.7	49.1	49.8	51.8	53.7	54.8	55.5	55.6	56.0	50.5	36.8	57.3	60.5
≥ 2500 ≥ 2000		45.4	50.1	48.2° 53.2	57.3	57.9	6:1.4	62.3	63.6	64.3	64.4	64.9	65.1	65.7	66.1	09.4
≥ 1800 ≥ 1500		49.8	54.1	54.0 57.8	62.2	63.0	65.9	67.9	69.2	70.2	70.4	70.8	71.0	71.6	72.0	75.3
≥ 1000	<u> </u>	51.3	58.2	60.9 62.9	69 - 1	70.0	73.4	75.7	77.2	78.3	78.4	78.9	79.1	79.6	80.1	83.3
≥ 900 ≥ 800		52.2	59.2	64.1	71.0	71.9	76.3	78.9	80.3	81.4	81.9	82.3	82.6	83.1	83.9	<u> </u>
≥ 700 ≥ 600 ≥ 506		52.5	59.7	65.1	72.3	73.8	78.6	82.0	83.8	84.9	85.8	86.2	86.5	87.0	87.8	91.1
≥ 500 ≥ 400 ≥ 300		52.6	59.8	65.3	72.0	74.4	79.4	84.3	86.8	88,1	89.0	89.5	89.7	90+3	91.1	94.3
≥ 200		52.9	60.2	65.7	73.0	74.8	77:9	85.0	88.4	89.8	90.7	91.2	91.5	92.3	93.2	97.0
≥ 0				65.7												

USAF ETAC RESA 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESOLUTE

DATA PROCESSING RRANCH USAF ETAC AIR HEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

RAMSTEIN AP DE 55-7a, 73-77 YOU PERCENTAGE FREQUENCY OF OCCURRENCE 0300-0500 FROM HOURLY OBSERVATIONS VISIBILITY STATUTE MILES ≥5 0 ≥é ≥: ≥ . 11.1 13.0 14.5 16.3 16.3 15.3 18.9 19.2 19.8 19.9 19.0 20.0 20.3 20.9 22.0 12.4 14.7 16.4 18.1 18.1 2 .1. 20.8 21.2 22.0 22.1 22.1 22.2 22.6 23.1 25.1 NO ELING ≥ .0000 ≥ 3000 ≥ 30% 12.5 15.0 16.5 18.3 18.3 20.3 21.0 21.5 22.2 22.3 22.3 22.5 22.8 23.4 25.4 13.0 15.3 17.0 18.7 18.7 2...7 21.3 21.8 22.6 22.7 22.7 22.8 23.1 23.7 25.8 ≥ .000 ≥ :1000 19.1 19.1 21.2 21.9 22.3 23.1 23.2 23.2 23.4. 23.7! 24.2 26.4 21.7 22.5 22.9 23.7 23.8 23.8 23.9 24.2 24.8 27.0 13.9 16.2 17.9 19.6 19.6 ≥ 1000 2 9000 14.2 16.5 16.2 19.9 19.9 22.0 22.8 23.2 24.0 24.2 24.2 24.4 24.7 25.3 27.5 16.9 18.5 20.2 20.2 27.3 23.1 23.6 24.4 24.6 24.6 24.7 25.0. 25.6 27.8 ≥ 8600 ≥ \*100 15.6 19.1 20.8 22.6 22.6 24.7 25.5 25.9 26.7 26.9 26.9 27.0 27.4 27.9 30.2 17.8 20.2 21.9 23.9 23.9 26.0 26.8 27.5 28.3 28.5 28.5 28.6 28.9 29.5 ≥ 6000 ≥ 5000 19.9 21.3 23.0 25.0 25.0 27.2 27.9 28.6 29.4 29.6 29.5 29.7 30.1 30.6 32.8

21.5 24.2 26.5 28.7 28.7 31.1 32.0 32.6 33.7 34.0 34.0 34.1 34.4 35.0 24.1 26.9 29.2 31.4 31.4 33.7 34.6 35.3 35.4 36.6 36.6 36.8 37.1 37.7 ≥ 45°€ 2 40°€ 27.9 30.9 33.3 35.9 35.9 3-.7 39.6 40.2 41.3 41.6 41.6 41.7 42.0 42.6 44.8 30.7 33.9 36.3 39.2 39.2 42.5 43.5 44.2 45.4 45.6 45.6 45.7 46.0 46.6 48.8 35.4 36.8 41.5 45.0 45.0 45.0 45.0 51.5 50.4 51.5 51.7 51.8 52.2 52.7 55.0 3500 ≥ 3500 ≥ 1000 ≥ 250 ≥ 2000 37.1 40.4 43.2 47.3 47.3 53.7 52.0 52.8 54.0 54.2 54.2 54.3 54.6 55.2 57.4 41.2 44.7 47.9 52.5 52.6 56.5 58.0 56.9 60.0 60.2 60.2 60.3 60.7 61.2 63.5 42.3 46.0 49.4 54.0 54.1 55.0 59.4 60.3 61.5 61.7 61.7 61.8 62.1 62.7 64.9 46.9 51.2 54.9 60.0 60.1 64.7 66.1 67.0 68.2 58.4 68.5 68.6 68.9 69.6 71.8 ≥ 1800 ≥ 1500 45.9 51.2 54.9 60.0 60.1 64.7 66.1 67.0 68.2 58.4 68.5 68.6 68.9 69.6 71.8 49.6 54.3 58.5 64.7 64.8 69.9 71.4 72.3 73.4 73.6 73.7 73.9 74.2 74.9 77.1 57.5 55.0 60.7 67.5 67.1 73.2 74.9 75.9 77.0 77.2 77.3 77.5 77.9 78.5 80.8 51.5 56.6 62.0 68.9 69.2 74.6 76.4 77.4 78.7 78.9 79.0 79.2 79.6 80.2 82.5 51.7 57.2 62.6 70.1 70.4 70.2 78.2 79.2 80.6 60.9 81.0 81.2 61.6 82.6 84.3 52.5 58.0 64.0 71.8 72.2 78.3 80.9 81.9 83.4 83.7 83.5 84.0 84.4 85.4 87.6 52.7 58.3 64.5 72.5 73.1 79.6 82.6 83.8 85.3 85.8 85.9 86.1 86.5 87.5 89.7 52.8 58.4 64.7 72.7 73.4 80.0 83.8 85.0 85.0 87.5 87.6 87.8 88.2 89.2 91.4 2 ≥ 00% 2 900 800 ≥ ≥ 700 ٥٥٥ 52.8 58.4 64.7 72.8 73.6 80.2 84.9 86.4 88.3 89.1 89.2 89.4 89.7 90.7 93.1 2 2 52.8 58.4 64.7 72.8 73.6 80.3 85.0 87.7 89.7 90.5 90.6 90.8 91.4 92.4 95.6 52.8 58.4 64.7 72.8 73.6 80.3 85.0 87.9 90.1 90.8 90.9 91.3 92.5 93.6 97.4 300 200 52.8 58.4 64.7 72.8 73.6 80.3 85.0 87.9 90.5 91.5 91.6 92.2 93.6 94.7 99.0 52.8 58.4 64.7 72.8 73.5 80.3 85.0 87.9 90.5 91.5 91.6 92.3 93.7 94.9100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 395

USAF ETAC STORE 0-14-5 (OL A) PREMOUS EDITIONS OF THIS FORM ARE OBSOURCE

DATA PROCESSING PRAYCH USAF ETAC ALR HEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

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II Nº							. 5	ê "* "A	r, red	=						
žž€	≥ :	<u> </u>	≥:	≥4	د ≼	≥:	≥:	≥'	<b>2</b> .	2	≥ 4	≱ +	≥	25 5	≥.	≥3
NO FELING ≥ \$39X													16.9			
≥ 9000 ≥ 5000		10.4	12.0		14.9	15.2	10.5	16.9	17.6	18.1	15.3	18.6	18.8		19.5	20.8
≥ 4000 ≥ 1000		10.9	12.4	14.0	15.5	15.8	17.0	17.5	18.1	18.7	13.8	19.1	19.4	19.7	20.2	21.4
≥ 9900 ≥ 9000		12.0	13.7	15.2	16.7	17.0	18.3	18.7	19.4	19.9	20.0	20.4	20.6	ZC.9:		22.0
≥ \$000 ≥ 7000		14.1	15.9	17.7	19.1	19.5	2⊙.8:	21.5	22.2	22.7	23.0	23.3	23.5	23.9	24.3	25.5
≥ 60°€ _ 5.6%		15.6	17.7	20.2	21.0	22.2	5.و2	24.3	25.0	25.5	25.ô	26.1	26.3	26.7	27.1	25.3
≥ 4500 ≥ 4000		20.3	23.1	25.6	27.5	27.9	24.3	30.2	31.0	31.8	32.1	32.5	32.7 37.7	33.0		34.9
≥ 3500 ≥ 3500		27.9	30.7	33.3	35.7	36.3	37.7	38.9	39.6	40.4	40.8	41.1	41.4	41.8	42.3	43.7
≥ 250C ≥ 200C	7	33,9	37.6	40.5	43.9	44.5	40.6.	47.9	48.9	49.8	50.2	50.5	50.8 55.3	51.3	51.8	53.2
≥ 1800 ≥ 1900		38.1	41.8	45.1	49 . 2;	50.2	52.3	53.9	55.1	56.1.	56.4	56.9	57.2; 64.3	57.7	58.Z	59.6
≥ -200 ≥ 1000		45.2	51.2	56.1	61.9	63.0	66.1	58.1'	69.3	70.3	70.7	71.2	71.6 75.5	72.0	72.6	
≥ 900 ≥ 800 l		47.5	53.5	59.2	66 . 7	67.9	71.2	73.9	75.4	76.4	76.7	77.3	77.6; 80.1	78.1	78.6	80.0
≥ 700 ≥ 600 ±		48.6	55.0	61.5	69.7	71.0	74.8	78.1	79.7	81.0	81.4	82.1	82.5	83.1	53.7	85.0
≥ 500 ≥ 400		49.0	55.5		70.9	72.3	77.2	81.7	84.1	85.6	86.0	87.0	87.6	88.1	88.7	90.0
≥ 300 ≥ 200		49.0	55.7	62.2	71.1	72.7	77.9	83.4	80.6	86.5	89.1	90.3	90.8	91.5	92.3	95.0
≥ 00		49.0	55.7	62.2	71:1	72.7	77.9	<b>\$3.7</b>	86.9	89.4	90.3	91.5	92.3. 92.4.	93.4	94.3	99.7

TOTAL NUMBER OF OBSERVATIONS.

893

USAF ETAC THE 0+14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DISCRETE

DATA PRUCESSING ARAMON USAF ETAC AIR #EATHER SERVICE/MAC

RANSTEIN AP 7

USAF ETAC ALLO G-14-5 (OL A) PRIVIDES ENTINES OF THE FORM AND ORDICAL

#### CEILING VERSUS VISIBILITY

TOTAL NUMBER OF OBSERVATIONS\_\_

Section   Sect	18.6.18.8
\$\frac{2}{2}\text{ \$\frac{2}\text{ \$\frac{2}\text{ \$\frac{2}\text{ \$\frac{2}\text{ \$\frac{2}\text{ \$\frac{2}	14.6 14.6 18.6 12.3
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DATA PRICESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

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13.6 15.4 17.2 18.2 18.5 19.4 19.8 20.6 20.9 20.9 20.9 20.9 21.0 21 2 5.5 14.5 16.1 18.2 19.2 19.6 2.4 20.8 21.0 21.9 21.9 21.9 21.9 22.0 22 14.9 16.0 18.7 19.6 20.1 21.0 21.3 22.1 22.5 22.5 22.5 22.5 22.5 22.6 22 2 40 15.3 17.1 19.1 20.2 20.5 21.5 21.6 22.6 22.9 22.9 22.9 22.9 23.0 23 15.6 17.4 19.4 20.7 21.0 21.9 22.2 23.0 23.4 23.4 23.4 23.4 23.5 23 17.2 19.0 21.1 22.0 22.9 23.8 24.1 25.0 25.4 25.4 25.4 25.4 25.5 25 17.8 19.6 21.7 23.1 23.5 24.5 24.8 25.7 26.0 26.0 26.0 26.0 26.0 25.1 26 2 5.0 25.0 25.1 26 2 5.0	.0 21.1
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14.9 16.0 18.7 19.6 20.1 21.0 21.3 22.1 22.5 22.5 22.5 22.5 22.6 22  2 400 15.3 17.1 19.1 20.2 20.5 21.5 21.8 22.6 22.9 22.9 22.9 22.9 23.0 23 15.6 17.4 19.4 20.7 21.0 21.9 22.2 23.0 23.4 23.4 23.4 23.4 23.5 23 2 500 17.2 19.0 21.1 22.6 22.9 23.8 24.1 25.0 25.4 25.4 25.4 25.5 25 2 700 17.8 19.6 21.7 23.1 23.5 24.5 24.8 25.7 26.0 26.0 26.0 26.0 25.1 26 2 500 19.3 21.3 23.8 25.4 25.9 25.9 27.3 28.2 28.5 28.5 28.5 28.5 28.5 28.5 28.5	-0 27.1
15.3 17.1 19.1 20.2 20.6 21.5 21.8 22.6 22.9 22.9 22.9 22.9 23.0 23.0 23.0 23.0 23.0 23.0 23.0 23.0	.5 22.7
15.6 17.4 19.4 20.7 21.0 21.9 22.2 23.0 23.4 23.4 23.4 23.4 23.5 23  2.000 17.2 19.0 21.1 22.6 22.9 23.8 24.1 25.0 25.4 25.4 25.4 25.5 25  17.8 19.6 21.7 23.1 23.5 24.5 24.8 25.7 26.0 26.0 26.0 26.0 25.1 26  2.000 19.3 21.3 23.8 25.4 25.9 25.9 27.3 28.2 28.5 28.5 28.5 28.5 28.5 28.5 28.5	-0 23-1
17.2 19.0 21.1 22.6 22.9 23.8 24.1 25.0 25.4 25.4 25.4 25.5 25.5 25.6 27.8 19.6 21.7 23.1 23.5 24.5 24.8 25.7 26.0 26.0 26.0 26.0 26.0 25.1 26.2 25.0 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26	.5 23.6
17.8 19.6 21.7 23.1 23.5 24.5 24.8 25.7 26.0 26.0 26.0 26.0 25.1 26  19.3 21.3 23.8 25.4 25.9 25.9 27.3 28.2 28.5 28.5 28.5 28.5 28.5 28.6 28  19.4 22.2 25.0 26.8 27.5 72.6 29.2 30.1 30.4 30.4 30.4 30.4 30.5 30  20.8 23.7 26.5 28.3 29.2 30.3 30.8 31.7 32.1 32.1 32.2 32.2 32.3 32  20.8 23.7 26.5 28.3 29.2 30.8 31.7 32.1 32.1 32.2 32.2 32.3 32  20.8 23.4 26.4 29.4 31.4 32.3 34.0 34.7 35.8 36.1 36.1 36.2 36.2 36.3 36  20.7 29.7 33.1 35.2 36.1 33.0 38.9 40.0 40.6 40.7 40.8 40.5 40.9 40  20.8 30.1 33.2 36.5 38.7 39.7 41.6 42.5 43.6 44.1 44.2 44.4 44.4 44.5 44	.5 25.6
19.3 21.3 23.8 25.4 25.9 27.3 28.2 28.5 28.5 28.5 28.5 28.5 28.5 28.6 28 28.5 28.6 28 28.5 28.5 28.5 28.5 28.5 28.5 28.5 2	.1 25.3
19.3 22.2 25.0 26.8 27.5 72.6 29.2 30.1 30.4 30.4 30.4 30.4 30.5 30 20.8 23.7 26.5 28.3 29.2 30.8 31.7 32.1 32.1 32.2 32.2 32.3 32 27.7 25.3 28.2 30.1 30.9 32.2 32.7 33.7 34.1 34.1 34.7 34.2 34.3 34 23.4 26.4 29.4 31.4 32.3 34.0 34.7 35.8 36.1 36.1 36.2 36.2 36.3 36 240. 26.7 29.7 33.1 35.2 36.1 33.0 38.9 40.0 40.6 40.7 40.8 40.6 40.9 40.9 23.4 30.1 33.2 36.5 38.7 39.7 41.6 42.5 43.6 44.1 44.2 44.4 44.4 44.5 44	.0 28.7
20.8 23.7 26.5 28.3 29.2 3J.3 30.8 31.7 32.1 32.1 32.2 32.2 32.3 32 27.7 25.3 28.2 30.1 30.9 32.2 32.7 33.7 34.1 34.1 34.2 34.2 34.3 34 23.4 26.4 29.4 31.4 32.3 34.0 34.7 35.8 36.1 36.1 36.2 36.2 36.3 36 240. 26.7 29.7 33.1 35.2 36.1 33.0 38.9 40.0 40.6 40.7 40.8 40.6 40.9 40 23.4 30.1 33.2 36.5 38.7 39.7 41.6 42.5 43.6 44.1 44.2 44.4 44.4 44.5 44	.5.30.6
27.7 25.3 28.2 30.1 30.9 32.2 32.7 33.7 34.1 34.1 34.7 34.2 34.3 34 23.4 26.4 27.4 31.4 32.3 34.0 34.7 35.8 36.1 36.1 36.2 36.2 36.3 36 240. 26.7 29.7 33.1 35.2 36.1 33.0 38.9 40.0 40.6 40.7 40.8 40.5 40.9 40 2 300.1 33.2 36.5 38.7 39.7 41.6 42.5 43.6 44.1 44.2 44.4 44.4 44.5 44	.3 32.4
23.4 26.4 29.4 31.4 32.3 34.0 34.7 35.8 36.1 36.1 36.2 36.2 36.3 36 26.7 29.7 33.1 35.2 36.1 33.0 38.9 40.0 40.6 40.7 40.8 40.5 40.9 40.0 23.0 30.1 33.2 36.5 38.7 39.7 41.6 42.5 43.6 44.1 44.2 44.4 44.4 44.5 44.5	.3 34.4
26.7 29.7 33.1 35.2 36.1 32.0 38.9 40.0 40.6 40.7 40.8 40.8 40.9 40.9 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5	.3 36.4
2 30 1 33.2 36.5 38.7 39.7 4 <sub>1</sub> .6 42.5 43.6 44.1 44.2 44.4 44.5 44	-9.41-0
	.5 44.0
35.6 39.2 42.8 45.9 47.2 44.3 50.2 51.3 51.8 52.0 52.1 52.1 52.2 52	.2.52.3
= 2 000 39.7 43.1 47.2 50.8 52.1 54.4 55.3:56.6 57.2 57.3 57.4 57.4 57.5 57	.5 57.7
44.4 48.2 57.4: 56.6: 57.9 5.4: 61.6: 63.4: 64.0 64.1 64.2.64.2 64.4 64	.4 54.5
≥ ≈ 1 45.3 49.4 53.6 58.1 59.4 62.0 63.1 64.9 65.6 65.7 65.8 65.8 65.9 65.9	9 66.0
5 3 1 49.1 54.3 59.1 54.5 65.8 5 65.8 71.6 72.4 72.5 72.6 72.6 72.7 72	.7 72.8
≥ 2 50.8 57.1, 62.9 69.2 71.1 74.7 76.3 78.1 79.0 79.1 79.2 79.2 79.3 79.3 79	.3 79.4
52.3 59.7 66.7 73.3 75.4 79.6 81.2 83.2 84.2 84.4 84.5 84.5 84.5 84.6 84	.6 84.7
\$ 900 52.7i 50.3i 57.7! 74.7! 75.9! 81.1 82.8! 85.8 85.8 85.9! 86.0! 86.0! 86.1 85	·1 86.3
53.0: 50.0: 50.0: 50.0: 50.0: 76.3: 78.5! 83.1: 85.0: 87.2: 88.7: 88.9: 89.1: 89.1: 89.7: 89.	.2 89.3
≥ '≪ ' 53.1' 69.9' 68.8' 76.6' 79.0' 84.2' 36.7' 83.8' 90.5' 90.9' 91.1' 91.1' 91.2' 91	.2 91.3
2 60 53.2 61.2 69.5 77.3 79.8 85.1 87.8 90.1 92.0 92.7 92.3 92.8 3.0 93	0.93.1
<u> </u>	.2 94.4
53.2' 61.3  69.7  77.9  80.3  85.9  @9.2  91.8  93.9  95.0  95.2  95.2  95.3  95	.3 95.5
≥ ∞ 53,2 61,3 69,7 77,9 80,3 86,0 89,3 92,0 94,3 96,0 96,4 96,4 96,6 96	.5 97.3
53.2: 61.3! 69.7: 77.9! 80.3! 80.0! 89.3 92.0! 94.4 96.3 97.1 97.4 97.7 97	9 99.1
53,3 51.5 69.8 76.0 80.4 26.1 89.4 92.1 94.5 96.4 97.3 97.8 98.1 98	70
2 0 1 53.3 61.5 69.8 78.0 80.4 86.1 89.4 92.1 94.5 96.4 97.3 97.9 95.2 98	• <i>3</i> ,99•7;

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 8

USAF ETAC " (-14-5 (OL A) MENOLE ENTENS OF THE FORM ARE DISOLETE

MATA PRICESSING PRANCH USAF ETAC AIR «EATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY DASERVATIONS

1500-1704

MIN.

****	≥ €	≥≎	3	2 4	2.	21	==	2	<b>&gt;</b> .	2	<u>.</u>	٠.	-	25 5	<u> </u>	≥:
		17.5	10.2	17.7	19.0	19.0	10.4	19.9	24.1	20.2	20.2	20.3	20.5	20.5	20.5	20.5
2.17000		17.2	19.5	21.5	23.1	23.1	23.6	74.2	24.5	24.7	24.7	24.3	25.C	25.0	25.0.	25.0
2 -50		19,4	21.0	22.8	24.4	24.4	24.8	25.5	25.7	2: ,9	25.9	25.7	20.3	26.3	26.3.	26.3
₹ **		[D.3	21.9	23.7	25.3	25.3	25.7	26.4	26.6	26.8	26.5	26.9	27.2	27.2	27.2	27.2
3 42		27.2	22.0	24.5	20.2	25.2	20.6	27.3	27.5	27.7	27.7	27.9	28.1	28.1	20.1	28.1
2 I M		21.1	23.8	25,5	27.2	27.2	27.6	28.4	28.5	28 8	25.8	29.0	29.2	29.7	29.2	29.2
- 3		22.8	25.5	27.3	29.0	29.0	2y.4	30.2	30.5	30.9	30.9	31.0	31.2	31.2	31.2	31.2
≥ ₹3.5.		23.5	20.2	27.9	29.0	20.5	34.1	30.9	3:.3	31.6	31.0	31.8	32.0	32.0	32.0.	32.0
		Z5.6	28.0	30.5	32.4	32.4	33.l	33.9	34.3	34.7	34.7	34.5	35.G	35.0	35.0	35.0
2 194		25.8	<u>۵0.0</u>	32.1	34.	34.1	33.1	36.0	36.5	36.8	36.5	36.9.	37.1.	37.1	37.1.	37.1.
2.59		27.8	31.ũ	33.3	35.5	35.5	36.6	37.5	37.9	38.3	38.3	38.4	33.0	38.6	38.6	33.6
2 50		2°.5	33.0	35.7	38.0	38.2	37.4	40.3	40.7	41,1	41.1	41.2	41.4	41.4.	41,4	41.4
_ 2 % V		31.7	34.5	37.4	39.7	39.8	41.1	42.0	42.4	42.8	42.€	42.9	43.1	43.1	43.1	43.1
3 450.		33.9	37.7	40.5	43.2	43.3	44.6	45.5	45.9	46.2	46.2	46.4	46.6	46.6	46,5	46.5
2 2500		37.5	41.5	44.4	47.1	47.3	4 <sub>4</sub> .5	49.4	49.5	50.2	50.2	50.3	50.5	50.5	50.5	50.5
2 :300		44.9	49.3	52.3	56.1	55.2	57.7	53,8	59.6	<u>59,9</u>	59.9	60.0	60.3	60.3	60.3	<u> 50•3</u>
e 75%		49.3	53.9	57.4	51.5	61.6	6j.Z	<b>64.3</b>	65.1	65.4	65.4	65.5	65.8	55.8	65.3	65·E
2 300		54.4	59.4	63.1	<u>57.3</u>	67.9	69.6	70.8	71.7	72.1	72.1	72.2	72.4.	72.4	72,4	72.4
2 890 2 400		55.7	60.9	64.8	69.1	69.6	71.5	72.8.	73.7	74.1.	74.1.	74.2	74.4	74.4	74.4	74.4
2 50%		<u> 59.7</u>	<u>_66.0</u>	70.4	7 <u>5.5</u>	76.2	75.2:	79.7	80.6	<u>80.9</u>	80.9	81.0	81.3	81.3	21.3.	<u>81.3</u>
2 200 5		o0•7	67.7	72.3	78.0	78.9	81.5	₹3.2	34:1	84.4	84.4	84.5	84.7	84.7	34.7	84.7
≥ 3°€,		<u>al.l</u>	55.7	73.7	80.4	31.6	84.7	€6.6°	87.5	<u> 37.9</u>	<u> 58.6.</u>	88.1	88.3	88.3	38.3	85.3
_ <b>20%</b> ≥ 80%		01.4	69.1	74.4	81.3	32.6	86.1	86.3	89.3	39.7	89.8	89.9	90.1	90.1	90.1	90 • 1:
		01.5	69.4	74.6	31.9	33.4	<u>87.3</u>	39.6	90.7	91.4	91.5	<u>91 •6</u>	<u>91,8</u>	91.8	91.8	91.8
2 5%		01	69 • <del>4</del> ;	75.0	52 · 4	33.5	88.0	90.5	91.6	92.3	92.9	93.0.	93.3	93.3	73.3	93•3.
		01.	69.4	73.0	32.5	84.4	62.8	91.7	92.3	94.3	94.5	94.5	94.8	94.8	94.8	94.8
2 54% ≥ 4%		01.5	69.5	75.1	83.2	84.6	39.1.	92.0	93.5	75.1	95.3	95.5	95.7	95.7	95.7	95.7
		01.5	59.5	75.1	83.2	84.6	89.1°	92.0	93.7	95.4	96.0	96.3	<u>³6.5</u>	96.5	96,5	95.5
. 2 3A 2 200		01.7	69.5	75. 1:	83.2	24.0	39.L	92.1	94.1	95.8	76.6	97.1	97.3	97.4	97.4	97.8
	<del>-</del>	01.5	69.0	75.1	83.2	84.6	<u> 87.1/</u>	92.1	94.1	76.3	97.3	<u>98.9'</u>	98.2	98.3	75.4	99.3
. ≥ 3. . ≥ 3.	-	, Q1•>	37.3	75.1	03.2	24.5	23.7	92.1	74. I	¥6.3	97.3	28 • O.	75.3	98.4	98.5	99.8
		01.5	24.2	75.1	53.2	04.6	89.I	92.1	74.1	75.3	97.3 <sub>2</sub>	98.0 <u>.</u>	98.3	<u>45.4.</u>	98.5	100 • C

TOTAL NUMBER OF DESERVATIONS 891

USAF ETAC 200 0-14-5 (OL A) MINOR EDITION OF THE HOM ARE DECORTE

DATA PROCESSING ARANCH USAF ETAC AIR FEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS:

EUNG							۰,۲۱	5 - 5'A	"E 4 (E							
tE6	≥10	. ≥6	≥ <	≥4	23		2.0	≥'	5, •	2		_ :	2 ,	25 10	≥ .	20
NO CELNG ; ≥ 20000											27.0 30.5					
≥ 18.0±0 ≥ 6564		1			-			30.1		•	31.4 31.7	31.5 31.8		31,9		32.1 32.5
≥ 14000 ≥ 12000		- 1			29.3 30.1	1		31.2			32.5 33.3.	32.6	32.9	33.0 33.8	33, .	33.3
≥ 90%0 ≥ 90%0		26.3		30.7	32.6	33.0	33.6	33.7 34.5	35.2	35.6	34.9. 35.7	35.1°	35.4 35.2	36.3	35.7 30.5	36.5
≥ 8000 ≥ 7600 .		28.0	31.5	33,8	30.1	36.5	37.1.		39.0	39.4	39.5	37.6 39.6	33.2°		38.3 40.3	38.5 40.3
2 6000 2 5000			35.8	38,6		42.0	42,6		44.7	45.2	45.4		45.8	41.2	46.1	4501
≥ 45% ≥ 4000			42.2	45.1		48.9	49.6		51.8	52.4	57.5	52.6	53.		53.3	53.3
≥ 3566 ≥ 3000		45.6	49.3	52.7	58.0	58.5	53.4:	60.8	61.6	62.5	56.2	62.7	<u> </u>	63.2	63.4	63.4
≥ 2500 ≥ 2000		55.1	59.2	63.4		70.1	71.3		73.7	74.6	74.7	74.9	75.1	75.3	75.5	75.5
≥ 1800			62.4		73.3		75.8	77.5	78.3	79.5	76.0	79.7	80.1	80.2	80.4	80.4
≥ 1200		<del></del>	64.6		78.4		81.3	83.2	84.2	85.4	82-4 85-6	85.7	86.0	86.1	86.3	86.3
≥ 900			64.9				83.2	85.9	87.0	82.2	85.8	88.5	88.8	88.9	89.1	87.0
≥ 700 ≥ 600		50,6		71.9	81.1	63.0	85.0	89.5	90.8	92.8	90.1 92.9 94.1	93.1	93.4	97.5	93.7	
≥ 500 ≥ 400 = 300		59.7	65.1	72.1	81.3	83.2	80.7	90.9	93.2	95.4	95.5	95.6	96.0	96.1	96.3	96.3
≥ 200		59.8	65.2	72.2	81.4	83.3	80.8	91.2	93.8	96.2	96.3.	96.5	97.0	97.1	97.3	99.4
≥ 0		1 -	5.20	_ 3		- 1					96.6					

TOTAL NUMBER OF OBSERVATIONS R93

USAF ETAC 1014 G-14-5 (OL A, MEVICUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING REARCH USAF ETAC ATR MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

RAMSTEIN AF BL

56-70,73-77

พบุง

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

21<u>00-5300</u>

CEIJNG FEET							**5'	5."Y S*/	ATUTE MIL	ES						
, ,	≥10	. ≥6	≥ 5	≥ 4	≥? ;	≥2 -	≥ 2	≥.	≥, .	≥1	≥ 4	≥ ,	≥ :	≥5 '&	≥ .	≥0
NO CEILING ≥ 20000		17.8	19.4	20.8	23.0	23.5	29.3	25.4	26.1	26.7	20.8	27.2	27.5	28.0	28.3	29.1
≥ 18900 ≥ 6500		1 - 0 -	~ ~ V • U	22.5	27 . 1	47.42	20.4	27.2	27.9	28.5	28. A	20.0	20 3	20 O.	2/1 2	1 a. nl
≥ 14000 ≥ 12600		20.2	6 7 9 7	27.2	C 2 + 4:	25.8 26.2	Z3.1	27.9	28.5	29.2	29.3	29.5	3n.o.	30.5	30.9	31.7
≥ 9000 ⋅		21.7	22.9	24.7	21+1	27.5	25.5	79.6	30.3	31.0	31.1	31 . 4	31.8	32.4		
≥ 8000 . ≥ 7000		23.7	25.3	27.3 28.1	29.	30 • 2,	31.2	32.3	33.0	33.7	33.8	34.1	34.5		35.5	36.2
≥ 6900 ≥ 5000		26.3 29.3	25.0	30.2 32.8	32.9	33.3	34.3	35.7	30.5	37.1	37.4 40.4	35.1 37.6		38.6	38.9	37.7 39.7
≥ 4590 ≥ 4000 ;		31.0	33.1	35.9	38.9	39.4	43.3.	42.5	43.3	44.21	44 3	46.6	45 0	45.6	46 0	46.8
≥ 350↓ ≥ 3005		37.8 40.9	40.0	43.0	40.431	41.60	47,0	50.8	21.6	25.5	52.0	52.9	53.2	53,4;	54.3	55.0
. ≥ 250C ≥ 200C		45.4 50.0	47.7	51.1 56.3	56.9	57.4 03.2	59.7	61.9	62.6	63.6	58.7	64.1	64.4	65.1,	65.4	66.2
≥ 1876 ≥ 1500			54.1		63.9	64.8	67.1	69-2	70.0	71-0	71.1	71.5	71.8	70.9	72.5	73.6
≥ 1200 ≥ 1000		24.0	58.6 60.2	02.5	QA • 0	70.5	73.0	75.2	76.2	77.4	77.5	77.9	78.2	76.2 78.9	79.2	80.0
200 S		55.7 55.7	1	65.2	73.8	74.9	78.0	80.1	81.2	82.8	83.0 84.5	83.3	83.7	84.3	84.7	85.5
≥ 700 ≥ 600		55.7 55.7	60.6		75.4 76.0	76.0	80.0	32.8	84.0	85.6	85.8 88.3	86.1	86.5	87.1.	87.5	
≥ 500 ≥ 400		55.8 55.8	60.7	66.2	76.3	77.9 78.0	82.2	35.9	87.2	89.4	89.6	89.9	90.3	90.9	91.3	90.7
≥ 300 ≥ 260		55.8 55.8	60.7	00.2	10.4	78.0 78.0	85.4	87.0	88.7	91.2	91.7!	92.11	92.4	93.11	93.4	6.40
≥ 00 : ≥ 0		55.8 55.8		66.2 66.2	10.4	78 . Qi	83.9	87.2	89.7	92.51	93.4	93.8	9/ 3:	95 1	04 0	23.2

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

USAF ETAC 121 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

.ITY

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31.2 52.1 32.5 13.3 14.3 15.7

.5.1 .9.5 .3.3 .7.0 .3.4 .8.4 .5.5

0.4 3.2 6.3 7.6 9.1 0.9 3.7 4.8 6.3 7.0 8.4 9.4 0.0

<u> 293</u>

DATA PROCESSING RRANCH USAF ETAC AIR PLATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34050

RAMSTEIN AR OL

56-73,73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS.

<u>₽₽</u>

CEIUNG						_	V+S0	8.'* 574	TUTE MUE	5						
FEET	≥10	≥6	≥5	<b>≩</b> 4	≥ •	≥2	≥ 2	≥i	≥ .	≥	≥ 3	≥ .	2	25 10	≥ .	≥0
NO CEILING ≥ 20000		17.7	14.6	16.1	17.5	17.9	18	19.4	20.0	20.4	26.5	20.7	20.8	21.1	21.4	22.0
≥ 1800€ 1		15.5		18.9	20.5		21.9	22.6	23.2	23.7	23.9				24.8	-
≥ 14000 ≥ 2006			18.1	19.8	21.4	21.8	22.9	23.6	24.2	24.7	24.9	25.7			25.8	26.8
≥ 10000 ≥ 9006		17.7	19.8		23.3	23.7	24.8.	25.5	20.2	26.7	26.9	27.1	27.2	27.5	27.9	28.8
≥ 8000 ≥ 7000		20.1		24.2	26 - 1	26.5	27.7	28.5	29.Z	<del></del>	29.9	30.1	30.3	30.6	30.9 32.6	31.9
≥ 60°90 ≥ 5000		22.0		26.8	24-0	20.4	3:.7	31.7	32.5	33.0	33.2	33.4	33.6	33.9	34.2	35.2
≥ 4560 ≥ 4000		26.4		31.7	34.2	34.7	35.2	37.4	78.3	39.0	39.2	39.4	39.5	39.9	40.2	41.2
≥ 3500 ≥ 3000			36.1		- (		44.2	45.6. 52.1		1		47.7 54.3			48.5 55.2	
≥ 2500 ≥ 2000	<del></del>	40.9	44.4	1		52.7		,	57.4 63.4		58.4. 64.5	58.6		59.2 65.3		
≥ 1800 ≥ 1500		45.3		_ 1	58.7	59.6	62.0	63.7	1	65.8			66.4 72.5	66.8	67.1 73.2	69.1 74.2
≥ 1200 ≥ 1000		51.5 52.4			~ (	69.2	1		75.6 79.7	76.7 80.8	,	77.2	77.4		78.1 82.3	
≥ 900 ≥ 800	•	53.0 53.2		65.3	72.4 73.5	73.7 75.0	77.5	79.8	81.2	82.4	82.5	82.9		( '	83.8	
≥ /00 ≥ 600		53.5 53.6	59.8 59.9		74.5 75.1	76.0 76.7	80.5	83.3	84.9		36.7	- 1			88.0 90.1	89,0 91.1
≥ 500 ≥ 4√0		53.7 53.7			75.3 75.4	1	82.1	85.9	87.7	89.6	90.2	90.5	90.8	91.2	91.6 93.1	
≥ 300 ≥ 200		53.7 53.7	50.1 60.1		75.5	77.3 77.3	82.5 82.5	86.9	89.5 89.7	91.7	92.51 93.1	93.8	93.3 94.2	93.8	94.3	95•9 97•9
≥ 100 ≥ 0		53.7 53.7													96.3 96.4	

TOTAL NUMBER OF OBSERVATIONS

DIETE

USAF ETAC Julia 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING REARCH USAF ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34059

RANSTEIN AR DE

06-70,73-77

DEC.

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

CEILING							v.\$*	BILITY STA	SIM SILI	\$						ļ
FEET   	≥10	≥6	≥5 -	≥ :	25	≥?- :	≥2 ,	≥:	≥1.	≥'	≥	≥`•	≥ - į	≥5 16 ;	≥• :	20
NO CEILING ≥ 20000		9.8	11.4			15.1. 15.5						-	17.1	17.2	7 - 7	18.0
≥ 18000 ≥ 16000			12.0	13.1	15.4	15.8	10.7	17.3	17.6	17.6	18.2	18.2	18.2	18.3		19.0
≥ 14000 ≥ 12000	1	~	12.6	13.8	16.1	16.7	• • • • •	18.2				19.0	19.0	19.1		
≥ 10000 ≥ 9000		11.6	13.2		17.1 17.4	17.6	15.5				20.0			i		
≥ 8000 ≥ 7000			14.2		18.5		19.7				21.2					
≥ 6000 ≥ 5000		13.3	15.1	16.6	19.4		2, .8		21.7	21.7	22.3	22.3	22.4	22.7	23.3.	23.4
≥ 4500 ≥ 4000	-	17.8 20.5	,		25.6° 28.7	26.1. 29.4	27.0	27.7	28.1	28.1	28.6	1	28.7	29.0; 32.5	29.7 33.1	
≥ 3500 ≥ 3000		23.1		28.0		32.6 38.6	;	34.6			•	35.5		36.1		,
≥ 2500 ≥ 2000		30.9 34.8	33.0			42.7		45.4 51.9	45.7 52.3				46.3		47.5	47.8 54.4
≥ 1500 ≥ 1500		35.8 38.5	39,7 42.9			50.3				54.5 58.8	55.3	55.3		55.9		
≥ 1200 ≥ 1000		42.6	47.4 51.5	52.0	58.7	60.0	63.2	65.1	65.6		67.0	- 1	67.1	-		- 1
≥ 900 ≥ 800			52.4 52.9						75.1	75.7	76.6 78.5	76.6	76.7	77.2	77.6	78.2
≥ 700 ≥ 600			53.4 53.5	- 1	, - ;	71.8	76.7 78.2	79.1			81.9	81.9 84.2	82.0 84.3	82.6 84.8		
≥ 500 ≥ 400		45.0 48.0	53.5 53.5		71,8 72.7						87.8 91.3					
≥ 300 ≥ 200		48.0	53.5 53.5	61.8	72.7	74.5	82.2	86.3	88.7	91.5	92.7	92.8	92.9	93 .4	94.1	94,4
≥ 100 ≥ 0		48.0	53.5 53.5	61.8	73.0	74.8	82.5	66.7	89.5	93.3	95.1	95.7	96.1	97.6	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_931

USAF ETAC 108M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING RRANCH USAF ETAC AIR \*EATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

CE UNG							¥ \$	₩ . ** . \$*A	7.78 <b>∀</b> √8	15						
FEE- *	5.0	≥6	≥5	≥ 4	23	22-	≥ ?	≥ :	≥. •	2	≥ .	≥ :	<u>&gt;</u>	25 6	2.	20
NO CEILING ≥ 2000C							14.5									
2008. ≤		8.7 8.7	10.2	11.7	13.6 13.8		15.3	-			16.0	16.0	16.3	16.6	17.1 17.3	
≥ 14000 ≥ 12000			10.3		14.0	14.7	12.7			16.1			16.5	17.1 17.4	17.7	
≥ 000° ≥ 900°		9.4. 9.5	10.9	12.5	14.7	15.5	10.4 10.5	15.8	16.8	17.0	17.4	17.4	17.8	18.1	18.6	19.2
≥ 8000 ≥ 7000		11.0	11.5	13.5	16.6	17.3	17.3	18.6	18.6	18.8	19.3	19.3	19.6	19.9	20.5	21.0
≥ 6000 ≥ 5000		11.5	13.5	17.8	20.1	20.9	19.3	22.3	22.3	22.5	72.9	22.9	23,3	23.6	24.1	24.7
. 4560 ≥ 4000			21.6	23.7	25.4.	27.2	25.6 25.5	29.2	29.2	29.4	29.8	29.8	30.1	30.5	31.0	31.6
≥ 3500 ≥ 3000			27.2	30.2	33.8	34.7	30.1	36.8	36.8	37.0	37.5	37.5	37.8	38.1	38.6	39.5
≥ 2506 ≥ 2006			35.7	39.7	44.3	45.4	47.4	48.5	48.8	49.0	49.4	49.4	49.8	50.2	50.7	51.6
: ≥ .800			42.8	47.7	53.1	54.1	49.5 56.4	57.8	58.0	58.2	58.7:	58.7	59.1	59.4	60.0	60.5
≥ :266		45.4	51.0	57.5	63.9	65.4	62.8 68.7	70.7	70.9	71.2	71.0	71.7	72.1	72.6	73.1	74.0
≥ 900 ≥ 800		46.7	53.4	60.5	68.8	70.4	71.6	76.7	77.0	77.2	77.0	77.7	78.1	78.6	79.1	80.0
≥ 700 ≥ 600		47.4	54.3	62.0	71.a	73.2	76.3 78.0	81.1	81.5	81.7	82.3	82.2	82.8	83.3	83.9	84.7
≥ 500 ≥ 400		47.4	54.4	62.3	73.0	75.0	79.8 81.1	55.8	87.2	87.9	88.4	88.5	89.0	89.6	90.1	91.0
≥ 30C ≥ 200		47.4		62.4	73.3	75.3	81.7	87.2	39.1	91.7	92.7	93.2	94.2	95.6	96.2	97.4
≥ :00		47.4	54.4	62.4	73.3	75.3	81.7	87.2	89.1	91.9	92.9	93.4	95.0	96.8	97.4	00.G

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSORETE

DATA PROCESSING PRANCHUSAF ETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34020 RAMSTEIN AP DL

26-70,73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CE JING							V:S!	BILITY STA	TUTE MILE	\$						:
FEET	. ≥'0	≥6	≥5	≥ 4	≥3	22:	≥ ?	≥.	2 .	≥:	≥ .	≥`*	≥ ,	≥5 16	2	≥0
NO CE11NG ≥ 20000				14.3												
5 9000 5 9000		11.7	13.5	14.5	17.3	17.7	15.9	19.5	19.7	19.9	19.9	19.9	20.0	20.1	20.2	20.8
≥ 4000 ≥ 2000		11.7	13.7	14.5	17.4	17.8	19.0	19.6	19.8	20.0	20.0	20.0	20.13	20.2	20.3	20.9
≥ '9000 ≥ 9900		12.3	14.1 14.2	15.1	17.8 18.0	18.3	19.6	20.0	20.2	20.5	20.5	20.5	20.6	20.8	21.0	21.6
≥ 8000 ≥ 7000		12.7	14.7°	15.9 17.0	18.8	19.2	21.7	21.0	21.2	21.5	21.5	21.5	21.6	21.7	21.9	22.5
≥ 6000 ≥ 5000		15.5	17.8	18.0 19.1	22.3	22.8	24.1	24.7	24.9	25.3	25,3	25.3	25.4	25.5	25.7	24.9
≥ 4500 ≥ 4000		19.7	22.5	21.0	27.5	28.1	29.4	30.2	30.4	30.8	30.9	30.9	31.0	31.1	31.3	
≥ 353€ ≥ 3066	;		27.4	25.4	33.7	34.4	35.9	36.9	37.1	37.4	37.5	37.5	37.0	38.0	38.2	39.0
≥ 2500 ≥ 2500		27.4	34.6	36.9	42.5	43.2	44.8	46.1	46.3	46.8	47.0	47.0	47.1	47.4	47.6	48.5
≥ 180C ≥ 150C	;	ا ٩٠١	42.5	39.4 45.5	52.3	53.1	55.4	57.0	57.2	57.6	57.8	57.8	58.1	58.4	58.6	59.5
≥ .200 ≥ ≥ .000	1	44.4	51.2	50.4	64.4	55.4	68.5	70.4	71.1	71.7	72.0	72.0	72.3	72.6	72.8	73.7
≥ 90€ . ≥ 800	: -	45.2	53.0	57.8	67.8	68.8	72.7	75.5	75.1	76.9	77.2	77.2	77.4	77.7	78.0	78.8
	! ! <del> </del>	45.6	53.7	59.5 60.3	71.5	72.6	77.4	80.8	81.7	82.6	82.9	82.9	83.1	83.5	83.8	34.6
≥ 500 ≥ 400	: 	45.6	53.9	60.6	73.1	74.2	80.6	85.2	86.5	88.2	88.5	88.5	88.8	89.2	89.5	90.3
≥ 300 ≥ 200		45.6	53.9	60.9	73.3	74.4	81.0	86.5	89.7	92.6	94.0	94.4	94.7	95.8	96.2	97.5
≥ 106 ≥ 0		45.6	53.9	60.9	73.3	74.4	81.0	86.6	89.8	92.8	94.4	94.9	95.7 95.7	97.3 97.3	98.0 98.0	99.9

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 1024 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING RRANCH USAF ETAC AIR \*EATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 RAMSTEIN AT TE

05-76,73-77

#Q#\*\*\*

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

<del>3500-1100</del>

78 NI							* 2·5	,,''v <u>S</u> ″A	" ": <b>v</b> .5	5						!
FEE* *	≥10	≥₀ .	≥ 5	≥ 4	≥ŝ	≥2 -	≥:	≥ .	≥ 4	2	≥ .	≥ ,	≥	≥ 5 `6	≥ .	≥0
NO CEIUNG ≥ 2000¢		6.7 6.8	8.7 9.0	10.5	14.1 15.2	14.3	15.1	15.8	16.1	15.9	16.9 1d.1	15.91 18.1.	17.0 16.2	17.0	17.0	17.1
≥ '8000 ≥ '8000		4,8 5,8		11.2		15.5	lo.2 le.2			18.2 18.3					18.3 18.4	
≥ 4000 ≥ 12000	···	7.0° 7.2°		11.8 12.0		-	10.9			19.0						
≥ ¹5000 ≥ 9500		7.8	10.8	13.1	17.7	18.0	17.0	20.0	20.6	21.5	21.5	21.5	21,6	21.6	21.6	21.7
≥ 8000 ≥ 7000		8.0° 8.4	11.1	13.7	18.3 19.0	18.5	19.7	20.6	21.3	22.2	22.2	22.7	22.3	22.3	22.3	22.4
≥ 6000 _ 5000		11.8	13.0	18.3	23.4	23.9	7 - 2	26.5	27.2	25.2	28.3	28,3	28.4	28.4	28.4	28.5
≥ 4500 ≥ 4000		. 15.4		23.2	29.1	29.6	31.0	32.3	33.5	34.5	34.6	34.6	34.7	34.7	34.7	34.5
≥ 3566 ≥ 3000		20.5		28.9	35.6	36.0	37.4	39.4	40.9	42.2	42.3	42.3	42.4	42.5	42.5	42.6
≥ 2500 ≥ 2600		. 26.1	27.6 31.7	35.8	43.7	44.2	46.2	48.4	50.0	51.4	51.5	51.5	51.6	51.8	51.8	51.9
· ≥ 1800 · ≥ 1500		29.8	32.7 37.0	42.2	51.5	52.2	54.6	57.1	58.8	60.2	60.3	60.3	50.4	60.6	60.6	60.0
≥ 1000 ≥ 1000		32.7	39.4 40.9	48.7	60.51	61.6	64.8	67.8	70.1	72.0	72.5	72.6	72.7	72.9	72.9	73.0
≥ 900 ≥ 806		134.0	41.5 42.5	50.8	63.7	64.9	68.9	72.4	75.1	77.0	77.8	78.0	78.1	78.3	78.3	78.4
2 700 2 600		34.5	43.2	52.0	66.9	69.1	74.3	78.5	82.2	84.6	83.5	85.6	85.7	86.0	86.0	36.1
≥ 500 ≥ 400		34.5	43.2	52.0	67.6	70.2	76.0	82.2	86.6	89.9	91.4	91.9	92.2	92.9	92.9	93.2
≥ 300	L	34.5	43.2	52.0	67.6	70.2	76.0	\$2.5	87.2	91.2	94.0	94.9	95.9	97.5	98.0	98.8
≥ 00		34.5	43.Z 43.Z	52.0	67.6	70.2	76.0	82.5 82.5	87.2	91.2	94.0	94.9	96.0	97.6	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 102M 0-14-5 (OL A) PREVIOUS EXITIONS OF THIS FORM ARE DISORTE

DATA PRICESSING RRANCH USAF ETAC AIR EEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4050 RAHSTEIN AP DL 66-7...,73-77

<u>O</u>ĒC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

1500-1400

CENNG							v 515	IL TY STA	TUTE MILE	5						
FEST '	≥'≎	≥5	≥ \$	≥4	≥ 3	≥2 -	≥2 ,	≥.	≥¹.	≥.	≥ 4	≥'•	≥ -	25 €		≥0
NO CE (!NG ≥ 20000		11.5	13.9	15.4	16.7	16.9	17.4	18.1	1a.1	18.5	18.5	18.5	18.5	18.5	16.3	18.9
2 8000 0000 S		11.5	13.9	15.4	16.9	17.0 17.1	17.5	18.2	18.2	18.6	18.7	18.6	16.5	18.6	19.0	19.0 19.1
≥ 14000 ≥ 12000															19.4	
≥ 0000 ≥ 9000															21.8	
≥ 8000 ≥ 7000		12.5.	15.8	18.1	20 - 1	20.4	21.6	22.5	22.7	23.2	23.2	23.2	23.2	23.2	23.7	23.7
≥ 600C ≥ 5000															25.7 27.6	
≥ 4500 ≥ 4000	,	15.5	19.4	21.9	24.5	24.8	20.2	27.6	27.7	28.5	28.5	28.5	28.5	28.5	28.9	28.9
≥ 3550 ≥ 3000															37.8. 42.5.	
≥ 2500 ≥ 2009															46.3 51.6	
≥ 1800 ≥ 1500	,	36.8	44.2	48.8	54.5	55.1	58.5	60.6	61.0	61.9	62.2	62.2	62.3	62.3	54.01 62.7	62.7
≥ 1700 ≥ 1000	,	39.5	49.4	58.2	64.6	66.2	71.0	73.4	74.1	75.5	76.1	76.1	76.2	76.2	69.8 76.7	76.7
≥ 900 ≥ 900	i :	40.5	50.6	58.0	68.3	70.5	76.1	79.0	80.0	81.6	52.4	82.4	82.6	82.6	78.7 83.0	33.0
≥ 700		40.8	50.9	58.5	70.4	73.0	79.5	83.0	84.4	87.0	88.4	88.5	88.7	88.7	85.7 89.1	89.I
≥ 500 ≥ 400			50.9	58.5	70.6	73.3	80.5	25.4	88.1	91.8	93.5	93.9	94.3	94.4	95,1	95.2
≥ 300 ≥ 200	ŧ	40.8	50.9	58.5	70+6	73.3	80.5	85.5	88.3	97.7	95.7	96.6	97.6	98.5	97.5	99.6
≥ ·05 ≥ 0	:														99.61 99.61	

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC #09W 8-14-5 (OL A) MEMOUS EDITIONS OF THIS FORM ARE CASCULTE

DATA PROCESSING PRANCH USAF ETAC AIR EATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 RAHSTEIN AR DL

c6-7:1,73-77

DEC

#### PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1500-1700

JEN NG							√1518	· ' 'A	*,*E +4 <f< th=""><th>ξ</th><th></th><th></th><th></th><th></th><th></th><th></th></f<>	ξ						
4 <u>6</u> 6- "	≥10	≥⋄	≥5	≥ 4	≥ 3	<b>≥</b> :	≥:	≥	≥ .	2	۷.	≥ .	2	≤5 ∕0	≱. ;	≥0 '
≥ 30000 40 CEITING ;							15.7									
2 '8000 2 6000		-		-		-	16.4	_		-		_				19.5
≥ 14000 ≥ 12000							15.9									
≥ 16000 ≥ 9000							20.4 20.6									
≥ 8000 ≥ 7000		, - ,	17.4 18.1	18.6		21.				22.8				23.1		_
≥ 5000 ≥ 5000		17.3	20.4	22.2	25.2.	25.2	24.4	26.6.	26.7	27.5.	27.6	27.6.	27.6	27.8	27.a	28.0
≥ 450¢ ≥ 450¢		15.2	24.8	23.4	25.7° 30.3	26.7 30.3	27.6:	28.1 11.9	28.2 32.0	29.0 32.9	29.1 33.0	29.1	29.1 33.0	29.4	29.4 33.2	29.5 33.3
≥ 3500 ≥ 3000							36.0 41.4									
≥ 2500 ≥ 2000		, 37.7	43.0	46.3	52.5	57.5	46.0; 54.2!	54.7	55.3	56.2	56.3	56.5	56.5	56.7!	56.7	56.9
≥ 1800 ≥ 1500							50.5' 63.1									
≥ 1200 ≥ 1000		43.3	51.0	57.7	69.5	70.4	70.0 74.2	75.5	76.2	77.4	77.6	77.7	77.7	75.0	78.0	78.2
≥ 800 ≥ 900		43.9	52.4.	58.7	72.5	73.7	70.3 78.7	80.3	81.3	82.7	82.9	83.1	83.1	63.3	83,3	83.5
≥ 700 ≥ 600		44.0	52.5	59.1	74.2	75.9	89.0	85.1	86.5	88.9	89.2	89.7	89,7	89.9	89,9	90.1
≥ 500 ≥ 400		44.1	52.7	59.2	74.6	76.3	83.5	36.7	88.8	92.2	93.4	94.3	94.6	94.8	94.8	95.3
≥ 300 ≥ 200		44.2	52.8	59.4	74.7	76.5	83.9	86.8	29.1	93.0	95.4.	96.5	97.0	97.8	98.3	100.0
≥ 160 ≥ 0				59.4 59.4			83.9									

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC MACA 0-14-5 (OL A) MEXICUS COMONS OF THIS FORM AND CRESCRETE

DATA PROCESSING RRANCH USAF ETAC ATR FEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

180e-500a

CEUNG							<b>v</b> 5,	8. ° ° S*4	'`J*€ * (€	5						
*****	.0	≥:	2:	≥ 4	≥;	≥2	≥ ?	≥′	٤.	≥.	٤.	2 3	2	25 le	<b>≥</b> .	≥0
NO TEUNG "		13.3	14.0	16.6	18.5	18.5	17.8	19.7	19.9	20.5	20.2	20.6.	20.0	20.8	20.8	21.0
≥ 18000 ≥ 6000		13.4	15.1	16.8	18.7	18.8	14.6,	19.9	20.1.	20.8	20.8	20.9	20.9	21.0	21.0	21.2
≥ 14000 ≥ 12000		14.1	16.1	10.2	20.2	20.3	20.8' 21.1:	21.4	21.6	22.3	22.3	22.4	22.4	22.5	22.5	72.7
> 3000 > 0000		14.4	16.3	19.0	21.6	21.7	22.5	22.9	23.1	23.5	23.d.	23.9.	23.9	24.0	24.0	24.2.
≥ 8000 ≥ 7000		15.4	17.8	20.3	23.0	23.1	2 9	24.5.	24.7	25.5.	35.5	15.6	25.6	25.7	25.7	25.9
≥ 6000 ≥ 5000	<u></u>	17.3	20.0	22.9.	26.0	26.1:	24.0 20.9	.7.6	28.0	28.7	28.7	28.8	28.6	28.9	28.9	29.1.
≥ 4500 ≥ 4006	· · · · · · · · · · · · · · · · · · ·	22.2	25.1	28.0	31.3.	31.4	20.5 32.2	32.9	33.2	34.0	34.0	34.1:	34.1	34.2	34.2	34.4;
≥ 3500 ≥ 3000		29.G	32.2	35.7	40.).	40.2	35.1 41.3	42.3.	42.9	43.9	43.9	44.0	44.0	44.1	44.1	44.3
≥ 2500 ≥ 2000		37.0	41.2	45.3	51.4	51.5	45.8 52.9	54.6	55.4	56.6	56.6	56.7	56.7	56.8	56.8	57.0
2 1500 2 1500		41.4	47,4	52.8	60.5	60.6	55.1. 67.7	64.4	65.3	66.7	66.7	66.8	36.8	66.9	66.9	67.1
≥ 1760 ≥ 1000	<u> </u>	45.8	53.9	60.9	70.5	71.0	69.0 73.8	75.7	76.7	78.1	73.1	78.2!	78.2	78.3	78.3	78.5
≥ 900 ≥ 800		46.2	54.3	62.8	73.8	74.5	76.7	81.0	81.9	83.4	83.4	83.5	63,5	83.7	83.7	33.9
≥ 700 ≥ 600		45.3	54.5	63.3	75.1	76.1	80.8	84.6	85.8	87.8	87.8	88.0	88.0	68.1	28.1	88.3
≥ 500 ≥ 400		46.3	54.5	63.3	75.8	77.0	33.2 84.0	67.3	90.0	93.0	93.2	93.7	93.7	93.8	93.8	94.1
≥ 300 ≥ 200 ≥ 100		46.3	54.5	63.3	75.8	77.0	84.2 84.2	88.1	91.0	95.5	96.0	96.7	96.9	97.3	97.6	99.8
≥ 10C ≥ 0		46.3	54.5	63.3	75.8	77.0	84.2	88.1.	31.0	95.5	96.0	96.7	96.9	97.4	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 931

USAF ETAC 1044 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

DATA PROCESSING PRANCH USAF ETAC AIR FFATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

RAMSTEIN AP TL 56-7.,73-77 PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS

2100-2300

(⊈. <b>∨</b> )							v 3 i	3. "* 5"A		-						
#8 <b>6</b> 7 *	≥"∶	≥≎	≥:	<u> </u>	20	≥;	≥:	≥.	≥ .	2	٤٠	≥ .	2	25 0	٤.	≥:
NO 055 NO ≥ 20000				14.5 15.5												
≥ 500. ≥ 16000			14.4	15.7 15.7	17.8	18.3	15.0	19.2	19.6	20.3	20.3	20.3	20.4	20.8	21.2.	
≥ 4000 ≥ 2000		-	14.0	15.9 16.3	18.1	18.5	15.8	19.5	19 8	20.5	20.5	20.5	20.6	21.0	21.4	
≥ 000¢ ≥ 000¢			15.5	17.1 17.2	19.5	15.9		20.5	21.2	21.9	21.9	21.9	22.2	22.6	23.0	
≥ 500° 2 °00°		15.5	17.0	18.0 15.5	20.3	20.8	21.1	21.9 22.7	22.3:	23.8 23.8	23 0 25.8	23.0	23.2.	23.7	24.1. 24.9:	74.9
≥ 5000 ≥ 5000		17.5	19.0	19.5 21.1	23.5.	24.0	24.6	25.7.	26.0	26.5.	26.8	26.8	27.0	27,4	28.0	28.0
≥ 4500 ≥ 4500		21.7	23.3	23.3 25.8	28.7	29.1	24.9	31.0	31.5	32.4	37.4	32.4	32.6.	33.0	33.5	33.5
2 2500 2 1000		ZP . 2	30.3	27,8	36.9	37.7	35.7	40.0	40.6	41.6	41.6	41.6	41.8	42.3	42.8	42.8
2 250C ≥ 200C		36.8	39.9		49.1	50.4	51.9	53.7	54.3	55.3.	55.3	55.3.	55.5	55.9	56.5	56.5
2 900 ≥ 1500	· · · · · · · ·	40.5	45.5	45.6. 50.6.	56.3	57.7	59.2	61.3	51.9	63.0	63.0	63.0	63,2	63.7	64.2	64.Z
2 1900 2 1900		45.1	53.0	56.3 60.2	68.4	69.9	72.6	75.2	75.9	77.1	77.1	77.1	77.4	77.8	78.4	78.4
2 70C 2 80C		46.0	54.3		71.6	73.3	70.7	79.5	80.8	82.0	82.0	82.0	82.4	82.8	83.3	83.3
2 000		47.4	54.9	62.8	<u> 73.1</u>	75.1	79.8	82.8	84.3	85.9	85.9	85.9	86.2	86.7	87.2	87.2
≥ 50C   ≥ 400   ≥ 30C	· -	47.4	55.2	63.4	74.0	76.2	80.8 82.7 82.8	86.8	89.0	91.7	91.0	91.9	92.5	92.8	93.3	93.3
2 30		47.4	55.2	63.4	74.1	76.3	83.C	₹7.2	90.0	94.3	95,4	95.9	96.2	97.2	98.0	98.6
2 0				63.4												

TOTAL NUMBER OF OBSERVATIONS\_\_\_

USAF ETAC AND 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSCITE

. ATA PRICESSING MARCH USAF ETAC AIR \*EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

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05 <sub>5</sub> NO					_		· \$15	50 ft - 574	arure wit	5						
*8 <b>£</b> *	≯,¢	≥6	≥ \$	≥ 4	≥:	≥2 -	≥2	≥	≥ .	≥	٤.	≥ •	-	23 5	2 .	≥0
NO CE . NO 2 200%			12.1				10.1								17.8	
2 8000 2 16000	<u> </u>				16.6.	15.9	17.7	18.1	18.3	18.8	18.9	18.0	19.0			19.5
≥ 4000 ≥ 2000						17.4	15.2	18.7	18.9	19.3	19.5	15 5	19.0	19.7	20.0	20.2
5 5000 5 5000		12.0	14.1	15.3	18.3	13.7	19.5	40.1	20.3	20.8	20.9	2 .2	21.1	21.2	21.5	
≥ 5000 ≥ 7,00			14.8	16.5	19.4	19.7	26.6	21.3	21.5	27.0	22.1	22.2	22.3	22.4	22.7	22.9
≥ 6000 ≥ 5000		13.9					24.5									
≥ 4500 ≥ 4000			19.9	22.1	25.4	25.8	26.8	27.7	28.0	28.6	28.7	28.7	28.8	29.0	29.3	29.5
2 3500 2 3000		26,3	29.6	32.4	36.8	37.4	33.6 37	39.9	40.4	41.1	41.2	41.7	41,4.	41.6	41.9	42.2.
≥ 250C ≥ 200G		33.5	37.7	41.3	46.9	47.6	43.2	51.0	51.6	52.3	52.5	52.5	52.7	52.9	53.2	53.5
≥ :90¢ ≥ :500	<b></b> .	38.7	43.8	48.3	55.1	55.8	51.6 50.3	50.0	50.6	61.5	61.7	61.7	61.9	62-1	62.4	52.8
≥ .700 ≥ 1000	<u> </u>	42.9	50.3	56.8	65.9	67.1	70.5	72.6	73.5	74.5	74.9	75.0	75.1	75.4	75.7	76.0
≥ 90¢ . ≥ 90¢		43.8	51.7	58.9	69.4	70.8	72.7 75.0	77.6	78.6	79.8	80.2	30.3	20.5	80.8	81.1	81.4
≥ 700 : ≥ 500		: 44.2	52.2	59.9	71.7	73.5	77.3	82.1	83.5	85.2	85.8	85.9	86.1	86.4	86.7	87.0
≥ 500 ≥ 400		144.3	52.3	60.2	72.7	74.6	80.4	25.7	88.0	90.6	. 1.5	91.2	92.0	92.4	92.8	93.2
≥ 300	<del></del>	44.3	52.3	60.2	72.8	74.7	81.4	86.3	89.2	93.0	94.8	95.5	96.0	97.0	97.6	98.7
≥ ° ∞	;	44.3	52.3	60.2	72.8	74.7	81.6	56.3	89.2	93.1	94.9	95.6	96.3	97.6	98.31	00-0

TOTAL NUMBER OF OBSERVATIONS\_

-7425

USAF ETAC SELECT G-14-5 (OL A) MENOUS EDITIONS OF THIS FORM ARE DISOLETE

0

DATA PRICESING RRANCH JSAF ETHO AIR MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

3400 RAMSTEIN AT TE

- 5-7...,73-75

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# PERCENTAGE FREQUENCY OF CCCURRENCE (FROM: HOURLY OBSERVATIONS)

- MUL

CELING		. <u></u>		<del></del> -	·		vi\$:	Bigith STA	TUTE MIKI	ES						
	≥:0	≥0	≥;	≥4 .	≥3	≥2 -	≥2 <sup>i</sup>	≥1-	≥1.	≥: ′	≥ •	≥≒ ;	27	ها د ج	≥ .	<b>≩</b> ≎ ^
NC CE.(NG ≥ 20000			26.5 30.7	28.4 32.4	ز.30 34.2	30.6	3 . 4		32.4 35.8	32.8 37.3	33.J	33.1	33.2 37.8	33.5 32.1	33.5°	32.2
≥ 18000 ≥ 5000			31.1 31.4			35.3			37.3 37.6		38.5	38.1 38.4	36.25 36.25		38.6	
≥ 14000 ≥ 12000		9.7 ع 30.5	21.9 32.0		35.e	3+.1 37.1	37.1	37.8	33.2	- 1	- · · .	- :	39.2	7. 7.4	39.0'	• • • •
≥ 9000			34.7 35.0	' 1	38.9 40.0		4 4	91.0	41.5	- ,	42.2 43.3		42.5			43.4
≥ 8000 : ≥ 7000		: " '		40.4	. *1	43.4	4 .6	45.3	-	46.3 48.5	46.0		46.9 49.0	1		
: ≥ 5000 : ≥ 5000	: :	1 - 1	1	44.1 47.2	1	1	• • • •			53.9		30.9 54.3	51.0 55	51.3 54.8		52.2 55.7
≥ 4500 j ≥ 4000		1 - 11	47.3 50.0	i	52.9 55.5	53. 3 57. 3	- 1		:	56.8 62.7	57.J		57.4 51.3	57.7 01.7	58.1	58.51 62.0
. ≥ 3500 ≥ 3000	•			56.4 60.9	- 1					64.2 69.5	64.5 69.5	64.7 70.0		65.3 70.6	55.6 71.0	50 • 2; 71 • 0;
≥ 2500 ≥ 2006		56.4 59.3	50•5 53•9	_	_ ' 1	58.5 72.5	1	71.3 75.5	71.9 76.3	_ ** 1	73.1	73.3 77.7	75.5	78.3		79 · 2
. ≥ 1800 } ≥ 1500	! !	67.5	57.6	71.6		73.7 77.4		76.8 83.9	81.6	82.6	82.9	79.0 83.1	79,2 83.3	33.8	84.1	84.7
≥ :200 ≥ 1000	<u> </u> 	04.7	70.5	75.3	81.7	80.3	2:.1		87.7	8.36	56.3 89.4		39.0	97.0	90.4	91 • U
≥ 900 ≥ 800		65.1	71.1	76.2	53.û		89		89.7	91.0		90.4 91.5	90.6	92.3	92.7	
≥ 700 ≥ 500		65.2	71.3	76.5	83.5 83.5		89.1	89.6 90.2	91.4	92.0 92.9	93.4	92.7 93.5	95.9	<u> 34.3</u>	93.7	94•3 95•3
≥ 500 ≥ 400		65.3	71.4	76.6	84.0		85.6	90.8	92.5	94.4		94.5 95.3	95.6	96.1		
≥ 300	1	65.3	71.4			85.1 85.1		91.3 91.3		95.0		95.8 96.2		96.7	97.7	
≥ 100	Hit Hallen and A	65.3		76.5 76.7	<del>_</del> _ <del>_</del> _	85.1	86.7 92.7	91.3 91.3	92.9 92.9			96.3 96.3		- 1	98.2	

TOTAL NUMBER OF OBSERVATIONS

<u>გგიბნ</u>

USAF ETAC #24 0-14-5 (OL A) PREMOUS EDITIONS OF THIS FORM ARE DISSOLETE

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART E

1

#### **PSYCHROMETRIC SUMMARIES**

In this section are presented various summaries of dry- and wet-bulb temperatures, dev points, and relative humidity. The order and manner of presentations follows:

- \* 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

HOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all. Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

- 2. Extreme values derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Heans and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared;
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which nourly temperatures were available for less than 24 hours for at least one day in the month.
- $\tilde{r}$  Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

- 3. Bivariate percentage frequency distribution and computations of dry-bulo versus wet-bulb temperature.

  This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of vet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dev-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\Sigma X^2)$ , sums of values  $(\Sigma X)$ , means (X), and standard deviations  $(\sigma X)$ . The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.
  - NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded string these periods. All values of dev-point temperature and relative humidity are with respect to water, unless otherwise indicated.
- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEM: RRATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative to satisfy stage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DAILY TEMPERATURES

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STATION

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

\*44 1 105

E		TEMP (°F)	JAN	FEB	MAR .	APR.	MAY ,	JUN	JUL ,	AUG.	SEP	oct .	NOV	DEC	ANNUAL
E	≥	11/0				_1			. 1.						2.
E	≥ _	75						. 5	7,1	, i				-	• ?
E	≥	70						1.7							7
2	≥	ر 5 د				. 3	1,5	4.7	12.1.	7.5				· ·	2.4
2	≥	<u> </u>				, ti	> 4	15.4	2 0	40.7	5.5				6.0
2		75			2	3.9	15,0	33.2	44.0	39.7	17.3	1.7			12.8
2	≥	19			iel		١, ١ اد	53.5	65.4.	60.5					21.8
2	≥	<u> </u>		<u>, 4</u>	5.7	20.5		74.	67.3	15,5	51.8	15.4	• 5,	.1:	33.1
2	≥			1.4	13.4	38.4	77.3	91.5	35.3	93,7	83.6	36.7	2,3		44.0
2	≥ _	55	1.0	5,1	46.3		90,7		100.0	100.0	95.9	62.7	11.4	2.1	54,5
≥       40       +9.8 + 27.2 + 31.9 + 99.2 + 100.0       99.4 + 7.3 + 5.0 + 83         ≥       35       68.1 + 76.9 + 94.9 + 100.0       100.0 + 31.6 + 71.2 + 92.5       97.4 + 71.2 + 97.5       97.2 + 97.5 + 97.5       97.4 + 97.5 + 97.5       97.4 + 97.5 + 97.5 + 97.5       97.4 + 97.5 + 97.5 + 97.5       97.4 + 97.5 + 97.5 + 97.5       97.4 + 97.5 + 97.5 + 97.5       97.4 + 97.5 + 97.5 + 97.5 + 97.5       97.4 + 97.5 + 97.5 + 97.5 + 97.5       97.4 + 97.5 + 97.5 + 97.5 + 97.5       97.4 + 97.5 + 9	≥	<u></u>	4.5	15.7		77.3	98.9	33.3			99.7			9.4	64.1
2   35   6.8, 1, 76, 9, 94, 9, 100, 0   100, 0   97, 5   71, 2   97     2   40   55, 7   91, 3   39, 4   99, 5   29, 5   29, 5   29     2   25   -4, 7   96, 3   97, 9     2   25   -4, 7   96, 5   97, 9     3   100, 0   25, 5   100, 0     4   10   100, 0   100, 0     5   5   100, 0     5   5   100, 0     5   5   100, 0     6   100     7   100     8   100     9   100     100	2	45						100.7			100.0	95.0			74.2
≥ 40 15.77 91.3 39.4 99.5 97.5 25 100.0 99.9 100.0 99.9 99.5 97.3 99.2 15 99.9 99.7 99.0 100.0	-						100.0								63.0
≥ 25 -4.7 96.3 97.9 100.0 97.3 99  ≥ 15 99.9 99.7 000.0 100						100.0			-			100.4			92.0
2			<del></del>					1						69.5	77.1
S   97.7   97.7   100.0   10													100.n	90.9	93.9
2 10 150.0 99.9 100.5 10					100.0				:		<u> </u>				99.7
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E MEAN 37.7 41.7 49.0 57.0 60.1 70.7 74.0 72.7 67.1 56.8 45.6 38.2 56 5.0 7.811 8.928 9.114 9.040 8.321 8.326 8.576 7.657 7.231 7.521 7.25. 7.796 15.3				- 1							i				
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EAN 37.7 41.5 49.0 57.0 65.1 70.7 74.0 72.7 67.1 56.8 45.6 38.2 56  S.D. 7.811 8.928 5.114 9.040 8.321 8.336 8.576 7.657 7.331 7.521 7.25. 7.796 15.3			<del> </del>		——- <u> </u>		<del>i</del>			<del></del>			<del></del>	<del></del> -	
EAN 37.7 41.5 49.0 57.0 65.1 70.7 74.0 72.7 67.1 56.8 45.6 38.2 56 S.D. 7.811 8.928 5.114 9.040 8.361 8.356 8.576 7.657 7.331 7.521 7.25. 7.796 15.3					+	<del></del>							<del></del>		
EAN 37.7 41.: 49.0 57.0 65.1 70.7 74.0 72.7 67.1 56.8 45.6 38.2 56 S.D. 7.811 8.928 5.114 9.040 8.361 8.356 8.576 7.657 7.331 7.511 7.25. 7.796 15.3			<del> </del>	<del></del>	<del></del>									<u>`</u>	
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S.D. 7.811 #.925 9.114 9.040 8.355 8.576 7.657 7.381 7.521 7.25: 7.790 15.3	<u> </u>	MFAN	¥7 ¥	1	a-A	57.0	A3 1	70.7	- 7. 🛪	77 7	- 29-7	54.8	LE . A.	48.9	56.3
											7. 231			7.790	15.365
1 TOTALOBS II 866 734 869 779 866 780 770 779 780 866 780 806 96	<b> </b>	TOTAL OBS	806	734	503	779	Bub	780	771	779			781	808	94,30

USAF ETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

. . Int st-

	TEMP (°F)	JAN	FEB.	MAR	APR.	MAY	JUN	JUL	AUG	SEP	oct ,	NOV	DEC	ANNUAL
≥	ري				,		. 4.	1.16	1	. 3		<del></del>		.1
≥	0 ل					, 7	4.0	11.4		1.3				2.1
≥	35					9.2	24.2	37.1	21.3	11.8	3.1			9.7
2	()."	1	. 1	.6	3.3	19.5	51.2	72.0	05.2	35,9	12."	1,1,	• •	21.7
≥	45	1.7	2,7	4.0	12.5	42.4	75.5	91.2	€ó.6.	29.6	12.7	7.4	7.5	34.4
≥	40	7.0	9.3	14.4	32.2	97,4	93.3	94.7	97.5	81.5	48.3	24,5	11.4	48.0
≥		5.9	25.1	34.2	56, ₹	39.1	39. V	10(,0	100.0	94,5	73.7	50.4	30.4	04.0
≥	33	45,1	35.1	43.6	ά <b>5</b> , Σ	93.7	77.6			97,7	81.3		40.6	71.i
2	20	:0.5	50.7	20.4	81.5	34.1	100.0			99.3	49.3	75.2	20.1	80.1
≥	.5	υ <sup>9</sup> .6	48.5	60.1	96.3	97,3				100.0	98.1	21.0	14.1	59.5
≥	. 0	15.6	52.C	y1.0	99.4	100.0					99.9		54.7	94.5
≥	15	⇒ <b>5</b> .3	39.7	96.8	100.0						100.0		72.15	
≥	10	₹3.3°	92.4	93.9								100.6	96.4	
≥	5	z7.0	95.4	99.8							+		99.1	99.3
≥_	O	79.1		100,0	1								100.03	
≥	<u>-5</u>	49.3	99.5					1			:			95.5
≥	10	100.0	100.0										li	100.0
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≥														
	MEAN	27.7	27.5	30.9	26.1	43.1	49.3	52.4	51.4	46.1	39.7	34,5	70.3	37.0
_	S. D.									6,800			2.213	11.777
I	NOTAL OBS.	808	734	503	779	806	750	771	779	7 <b>5</b> C	400	760	006	9430

USAF ETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

A STATION STATION NAME

AT IR F SITE CARE.

AT ET S

AT ESTER VICE/LAC

BOD STATION NAME

1:5.55

#### **DAILY TEMPERATURES**

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

AUG TEMP (°F) FEB. MAR. OCT JUN JUL 75 1.1 1: 4 11,2 2.3 0.2 24.0 7. او 3.2. 72.5 21.3 53. ~ 09.3 53.1 47.1 82.2 94.4 19.4 1.6 11.9 95.0 25 64.2 24.7 2.2 96.2 100.6 99.9 75,3 72.0 46.9 <u>; 0</u> 3.6 35.4 80.6 99,4 99,4 120,0 99.5 25.9 53.7 11.7 9.7 45 6.3 32.0 61.7 99.0 100.0 59.4 28.4 2.3 28.2 55,7 73.6 45.2 91.7 100.0 72.1 CP 96.0 98,2 100,0 52.2 35 45.9 99.4 01.5 54.4 74,8 87.5 100.0 94.4 75.2 91.0 100.0 92.2 30 83.3 99.4 96.4 25 ..4.1 97.9 95.5 99.9 12.7 92.5 79.5 98.4 99.3 76.9 96.3 100.0 100.0 95.5 į 5 99.9 99.0 99.8 10 78.9 100.0 19.9 99.7 5 100.0 100.0 100.0 32.9 34.5 49.2 46.5 54.4 60.2 63.5 62.3 3.459 9.791 7.416 6.520 6.207 6.014 5.745 5.211 808 734 803 779 866 766 771 779 5.748 5.375 47.3 6.575 ,Co7 12,871 S. D. 900 806 9430

USAF ETAC AUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

DATA PROCESSING BRANCH USAF/ETAC/AL A AIR WEATHER SERVICE/MAC

#### **EXTREME VALUES**

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

34050 STATION

RAMSTEIN AB DL STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN,	FEB.	MAR.	APR	MAY	JUN	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
52		H		78	79	94	100	94	71.	<b>6</b> 3	52		
53	44:	55	70	73	89	83	86	91	881		60		9]
54	52;	49	64	66	82:	89	81	88	87	69	61	51	89
55 .	52,	50	73	82	81:	85	90	83	79	67	5ه	53	9(
>6	5 l:	41	66	69	87	77	90	86	77	77!	51	56	90
57	51	61:	66	72	78	93	98	85	80	71	61	50	98
58 🚶	52	04	64	67	80	83	65	88	84	66	54	52	88
59	55	61	69	79	78	84	95,	86	86	74.	58	54	95
60	55	67	64	72	80	87	79	84	74	70	59	53	87
ol 🚦	50	65	71	77	76	86	39	87	86	72	54	58 :	85
62	52	48	55	79	76	82	87	91	87	77	59	50	9)
63	40	42	57	68	77	79	86	86	78	66	65	45	86
64	42	57	56	74,	83,	91	95	89	84	70	58	53	95
65	49	41	65	67	81	86	84	82	77	68	59	55	86
66	55	59	¥ 56	9.5	81	37	82	91	82	79	53	52 1	9
67	55	57	63	71	85	90	92	88	81	75	60	53	92
68	50	50	76	# 85	79	85	92	79	76	72	68	47	92
69	47	50	56	72	88	816	83		79	70	62	40 \$	86
70	47	49	56	76	74	86	85	88	76	72	61	52	88
71	51	48	55	77	82	75	89	93	82	75	57	55	93
72	55	57	69	73	78	84	89	84	75	69	66	53	89
73	46	50	71	66	80	84	87	87	87	69	57	48	87
74	53	55	73	75	80	82	86	96	80	51	60	55	96
75	55	55	57	75	78	86	89	91	82	62	59	48	91
76	50	59	64	75	87	98	98	87	77	71	55	48	98
77	51	53	68	69	78	91	87	84	80	75	64	<b>55</b>	91
78	46	59											
e e e e e e e e e e e e e e e e e e e				- 4-2-3	3.	38-3	30 5		- 00 7	- 37			
MEAN	50.2	53.9	64.1	72.8	80.7	85.7	88.9	87.5	80.6		59.2	52.0	90.
\$. D.	4.141	7,104	6.348	4,478	3.878	5.183	5,437	3.928	4.588	5.732	4,264	4.783	3.60
TOTAL OBS.	806	NUTES	803 * (8A)	779 SED : 0N	LESS	780 HAN FL	771	779 VTHS)	780	806	780	806	943(

USAF ETAC AN O-88-5 (OLA)

# (AT LEAST DUE DAY LESS THAN 24 OBS)

DATA PROCESSING MRANCH USAF/ETAC/OL A AIR ZEÄTHER SERVICE/MAC

### **EXTREME VALUES**

MISIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

34050 STATION

RAMSTEIN AR DL STATION NAME

52-78

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN,	FEB	MAR :	APR.	MAY :	JUN.	JUL.	ug	SEP.	OCT.	NOV	DEC.	ALL MONTHS
52		ti		24	29	35	38	40	31		20	10:	
53 :	12	- l	20	28	26	34	42	40	32.	25	24:	22 ]	-
54	1	- 1	24	23	30	40	40;	43.	35	32	19	24	-
55	13	8;	12	23	30	37	43	43;	32	21	17	17	
56	1	-9	14	22	29	37	47	38	37,	31	12	14	-
57	5,	_ 22	19	27	28	37	46	38.	32	27	25	16 i	
58	Ģ	15	7	19	33	30	42	41;	39	30	29	13	
59	9	13	23	23	33	37	46;	37.	31.	24	27	20 🖁	
60 ;	-7	9	25	25	24	4e	37;	44	30.	29	26	18 #	-
ol Ì	11	23	22	75	33	43	39	43	38	25.	16	7 5	
02	10	11	15	28	27	311	39	39.	33	24	24	0	
ბ3 🚦	-5	-8	4	24	28	42	40	36	32	<b>2</b> 6;	27	4 🖁	-
04	3	13	14	27	36	39	41	36	32	24	25	12	
65 - {	19	7	5	26	29	41	45	39	33			20	
66	0	23	¥ [8]	26	31	38	44	28	32			20	
<b>57</b>	8	11	22	21	26	37	43	41	39	28		14	
68	-8	20,	214	21	30	39	44	42	39	36:		5	-
69	15	5	19	24	33	39	42	¥ 50	34	32		6 [	
70	19	4	12	24	32	35	39	40	32	24	23	8	
71	-2	15	3	24	37	39	39	42	30	24	15	21	
72	- 6	6	17	26	33	35	42	42	28	17	23	8	
73	8	17	19	24	30	37	46	39	33	23	10	0 🖁	
74	24	19		<u> 7</u> 6	35	37	39	421	33	28.	24	<del>- 23</del> i	<u>_</u>
75	21	19	19	23	30	33	42	46	44	29	17	8	_
76	3	17	10	23	30	37	44	42	35	24	21	5 1	
77	21	15	17	23	32	39	39	44	35	33	17	15	1
78	21	3						- '			— <b>-</b>		<u>-</u>
											111	HIIIME	
MEAN	8.3	10.7	15.8	24.8	30.5	37.6	42.0	40.6	33.9	26.1	27.9	12.7	3.
S. D.	9.126	8,827	6.522	3.317	3,127	2.715	2,881	2.614	3,566			7.165	6.17
TOTAL OBS.	806	NUTES	# (BAS	779 ED UN	LESS	780 HAR FL	771	779 11H5)	780	806	780	806	943

\* (VI LEVEL ONE DAY FERE THOU ST OBS) USAF ETAC AN 4 0-00-5 (OLA)

DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

STATION				ST	ATION NA	ME					·7 <sub>()</sub> • 7			YE	ARS			PAGE	1	0000-	
																		· AGE	<u>.</u>	HOUPS (	
Temp	<u> </u>	<u>_</u>									ESSION (							TOTAL		TOTAL	_
(F)	0	1 - 2				9 - 10	11 - 12	13 - 14	15 - 1	6 17 - 18	1 19 - 20	21 22	23 - :	24 25 - 26	27 - 28	29 - 30	, 31 <sub>[</sub> U.		Dry Bulb	Wet Bulb	•
52/ 51 50/ 49		•5	.3	•1: •2:	.2		İ			İ		8 0 5				l		7   11	11	. 5	-
48/ 47	<del>                                     </del>	.6		-1	-2		<del></del>	<del>!</del>	-	<del> </del>	<del></del> -					<u></u> -	<del> </del> -	201	20	5	t
46/ 45		1.4	2.5	.5,	.1		!		<u> </u>	. !	<u> </u>	l						42	42	13	
44/ 43		2.7		-6	į					İ	Ī	į	: 			i	Ī	63	63		THE RESERVE
42/ 41		4.3	3.8	- <u>•3</u>	;		<u> </u>	<del> </del>	<del> </del>	<del>- </del>	┼	<u>-</u>	<u> </u>				<u></u>  -	30 ! 71	80 71	77	-
38/ 37			3.7	-2	;						1		į				!	87	87	90	:
36/ 35				•1.	<del></del> :		i			<del>                                     </del>	+	<del></del>	<u> </u>	-			<del>-  -</del>	80	80		
34/ 33	2.2	6.1	2.4	; ———					<u></u>				<u> </u>	-				99	99	130	i
32/ 31					!								Ī	I				74	74	95	
30/ 29 28/ 27			.5 .3		<del></del> i		<del></del>		<u> </u>	-	+	<del> </del>	ļ				<del></del> -	105	105	106	•
26/ 25				ī								! !				l		29	29	34	-
24/ 23							1			<del>†                                    </del>	i	<del></del>		i				22	22	24	Ī
22/ 21	.6						╄		<u> </u>	<del> </del>	<u> </u>		<u> </u>					17	17	23	ļ
20/ 17					i						1		T WAR				-	9	9	9	
16/ 15	•3	<u>.3</u>			—- <del>i</del>		<del>- </del>	<del> </del>	<del> </del>	+	<del> </del>	<u> </u>	-					6	<u>6</u>	10	-
14/ 13	•-	.2			ļ		Ì		1		Ì						]	2	ž	1	-
12/ 11		• 4					1			i	T							4	4	3	Ī
10/ 9		<u>-•∔</u>	<u> </u>			_	<del>- </del>			╂	┿	<u> </u>		_				1	$\frac{1}{2}$	2	-
8/ 7 6/ 5	1	٤.		1	ļ						1					- 1	l	3	3	3 2	l
4/ 3	.1	<del> </del>	<del> </del>	—- <del>i</del>			1 -	<del> </del>		<b>—</b>	†		i	1			— <u> </u>	-i	<del>-i</del>	1	-
2/ 1		-1	!	]			<u> </u>	<u> </u>			<u> </u>	<u> </u>	<u> </u>					1	1		
0/ -1	•1	-	l	- 1	ļ						ĺ	İ						1	1	2	-
-4/ -5 -8/ -9	<del>                                     </del>					_	+	<del> </del>	├	+	+	<del> </del>	<del> </del>			<del></del>					ŧ
	17.45	54.7	24.5	2.8	"ó											l	İ		927		
											T							927		927	Ì
	<del>  </del>						<del> </del>	-		╂	+	<del> </del>	<b> </b>	-							ļ
Element (X)	<del>                                     </del>	Σχ'			E <sub>X</sub>		<u></u>		<u> </u>	No. C	<u></u>		<u> </u>		11						
Rel. Hum.	<del>                                     </del>		3748		771	46	83.2	10.0			27	±.0	F	± 32 F	meon N	o. of Hour		> 80 F	» 93 I	F	Ŧ
Dry Bulb			6258		319		34.5	7.7	02		27	~	.1	36.8	- 4,	+-"	-		† <del>***</del>	<del></del>	-
Wet Bulb		103	6165		302°		32.7 29.7	7.0	46	5	27		. Z	43.6					T		

DATA PROCESSING PRANCH
USAF ETAC
AIR MEATHER SERVICE/MAC

34050 RAMSTEIN AB DL

Temp.
(F) 0 1-2 3-4 5-6
52/ 51 .2
50/ 49 .4:1.1

0.26.5

ELITERAL

#### PSYCHROMETRIC SUMMARY

L7-70,73-78

YEARS

PAGE 1 9300-0500

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-16 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 D.B. W.B. Dry Bulb Wet Bulb Dew Point × 31 2 15 15 30 48/ 47 .9 2.0 30 3 46/ 45 1.4 2.7. 45 10 45 17 • 1 .1, 2.4, 3.4; 61 61 12 55 55 17 42/ 41 3.5 1.9 43 54 .0 4.1 3.9 1.8 1.9 3.2 82 40/ 39 82 86 38/ 37 67 61 67 83 96 84 96 36/ 35 .6 6.3 3.1 75 2.4 7.1 2.5 34/ 33 111 111 86 134 32/ 31 2.3 5.8 91 91 112 107 . 5 30/ 29 88 88 111 2.4 6.9 107 142 28/ 27, 4.5. 4.5 84 84 98 26/ 27 27 77 38 42 23 23 24/ 23 21 .8, 1.7 18 22/ 31 18 . 8 29 20/ 19 • 1: . 2 3 6 7 7 16 18/ 17 - 6 8 15 . 5 8 16/ 8 8.1 7 4 12/ 11 • 3 8 10/ 9 **7**; 8/ • 1 5/ 2/ 1 0/-1-2/ -3 2 2 -4/ -5 -10/-11 930 930 TOTAL 19.053.225.3 2.0 930 930 No. Obs. Element (X) Zx2 Mean No. of Hours with Temperature Rel. Hum. 6579622 77650 83.510.179 930 ± 32 F ≥67 F = 73 F > 80 F = 93 F 93 Dry Bulb 11572'94 31990 34.4 7.827 930 .3 36.6 30376 32.7 7.200 27665 29.7 7.657 93 1040314 930 .3 44.0 Wet Bulb 930 .4 60.2 93 Dew Point 877477

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC 34050 RAHSTEIN AR DL STATION NAME USAFETAC POLY 0.26-5 (OLA)

# PSYCHROMETRIC SUMMARY

<u>57-75,73-78</u>			MAL
	YEARS		MTMCM
		PAGE 1	0080-0800

Temp								TEMPER/										TOTAL '		TOTAL	
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DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY!

RAMSTEIN AS DL STAT ON HAME -7-70,73-78 PAGE 1 0900-1100

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DATA PROCESSING PRANCH USAF ETAC AIR SEATHER SERVICE/MAC RAMSTEIN AR DL STATION HAME

# PSYCHROMETRIC SUMMARY

J7-7.1,73-78 1200-1400 PAGE 1

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DATA PROCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

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DATA PROCESSING PRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC RAMSTEIN AR DL · 7-70,73-78 PAGE 1 1800-2000 WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.S. W.B. Dry Bulb Wet Bulb De- Poin 1-2 3-4 5-6 7-8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 - 25 - 26 27 - 28 29 30 + 31 54/ 53 52/ 51 16: Ιò 2 50/ 49 . .0 1.0 20 48/ 47 3 65 68 12 96/ 45 ·2: 2.5 3.6; ·9 180 28 44/ 43 63 533 .2. 2.0 3.9 l۵ 12/ 41 .1 4.2 3.6 1.3 87 821 29 101 101 43 77 92 90 38/ 37 1.2 4.5 4.2 92 85 85 86 36/ 35 1.4 5.0 2.6 111 100 102 2.3 5.3 3.9 33 106 133 70 79 87 32/ 31 101 1.0. 6.0. 1.5 104 114 78 78 30/ 27 1.5, 6.5 .4 28/ 3.0: 3.1 50 60 141 26/ 25 .4: 1.5 18 18 17 15 52 74/ 23 .1 1.1 15 22/ 21 .4 1.3; Ιó 16 16 20 19 6 11: ' 2 18/ 17 61 •1 3 14/ 13. . 2 12/ <u>. l</u> 10/ Z 8/ T 6/ ٠ij 2/ 929 929 TOTAL 12.650.732.5 3.4 929 929 No. Obs. 6273628 1254702 75726 929 Rei. Hum. 81.510.429 36.1 7.103 ± 32 F 267 F = 73 F = 80 F | 293 F 929 33512 28.3 Dry Bulb 34.0 6.482 30.8 6.971 Wer Bulb 1113866 3160N 929 35.8 28583 924523

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TATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

RAMSTEIN AP DL

## PSYCHROMETRIC SUMMARY

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DATA PROCESSING RRANCH
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AIR WEATHER SERVICE/MAC

34050 RAMSTEIN AR DL

STATION RAME

## PSYCHROMETRIC SUMMARY

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DATA PRUCESSING PRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 34050 RAMSTEIN AB DL STATION NAME JAN 57-70,73-78 PAGE 2 **NLL** HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | D.B. W.B. Dry Bulb Wet Bulb Dew Paint -12/-13 -14/-15 -16/-17 TOTAL 114.549.780.3 4.4 •0 7436 7436 7435 7436 9 B1.710.799 No. Obs. ' Mean No. of Hours with Temperature 607196 50448482 7436 ±0F | ±32F | ±67F | ±73F | ±80F | ±93F Rel. Hum. 33.8 7.682 33.7 6.961 30.5 7.361 9953771 265905 7436 7436 1.0 238.4 Dry Bulb 250754 744 8815096 Wet Bulb 7318459 226769

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC RAMSTEIN AR DL STATION NAME :,7-7.,,73-78 USAFETAC FORM 0.26-5 (OL A)

## **PSYCHROMETRIC SUMMARY**

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DATA PROCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

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DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/MAC

# PSYCHRUMETRIC SUMMARY

34056 KAMSTEIN AB DL 5.7.70, 73-78 FEB
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PAGE 1 0600-0800
HOURS (L. S. T.)

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DATA PRUCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

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DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/MAC

RAHSTEIH AP DL

STATION NAME

#### **PSYCHROMETRIC SUMMARY**

FEB

PAGE 1 1200-1400 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30, a 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 60/ 59 .21 2 58/ 57 2 56/ 55 54/ 53 • 1 4 • 4 1 13 13 191 52/ 51 • 1 191 .4 .4 .2 .6 1.3 1.7 38 50/ 49 38 43/ 47 46/ 45 1.3 2.6 1.5 57 371 •6 • 7 23 84 84 .1 2.2 2.6 Z.1 1.8 2.2 2.1 2.8 .8 44/ 43 78 78 69 25 42/ 41 28 68 37 .2 4.6 3.9 2.1 40/ 39 98 98 41 73 : .0. 3.2 3.7 2.0 38/ 37 33 83 70 98 1.1 3.9 3.5 1.5 36/ 35 85 85 108 55 4 34/ 33 32/ 31 ·5 2.5 2.5 52 52 95 74 36 .1 2.1, 1.8 59 36 82 30/ 29 .1 2.4 2.6 45 66 55 .7 3.9 1.9 55 28/ 27 55 [ 105 39 . 26/ 25 . 2 12 73 1.1; 53 24/ 23 53 2 -1 -1 19 22/ 21 48 . 6 20/ 19 • 4 3 36 18/ 17 20 16/ 15 15 13 14/ 5 12/ 11 5 10/ 4.434.333.018.0 7.7 2.4 TOTAL 546 846 846 846 Meen No. of Hours with Temperature 846 Rel. Hum. 4564399 60991 72.1 (4.073 39.1 7.378 267 F | 273 F | 280 F | 293 F 1 32 F T.tol 1339555 33081 Dry Bulb 840 16.2 84 35.6 6.573 Wet Bulb 1110436 0142 846 26.2 84 25700 30.4 7.685 49.0 830623 846

57-70,73-76

ETAC 106M 0.26-5 (OLA) HYSID MIYOUS IDHOMS OF 1915 KNIM ALL OLISOITIE

DATA PROCESSING ARANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 34050 RAMSTEIN AR OL FEB :7-70,73-78 STATION NAME 1500-1700 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Poin 1-2 3-4 5-6 7-8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 23 60/ 59 •1 •1 58/ 57 56/ 55 .2: .0 54/ 53 17 17 40 40 52/ 51 . 2 .6: 2.5 48 1.8: 1.9! 48 <u>59†</u> 48/ 47 2.1.2.0.1.5! .8; 391 29. 45/ 45 98 98 18 .4 2.7 2.4 4.0 1.5 .1, 2.0; 2.2; 1.7; 2.0; .1 1.9; 1.2; 3.0; .7; 71 71 44/ 43 22 58 42/ 41 58 50 29 94 9**-**50 .2 3.9 3.3 2.4 1.3 40/ 39 05 79 79 gq 57 186 . 5, 2.2 .4 2.2; 3.4; .7; 1.5; 2 36/ 35 78 78 99 92 107 63 63 63 <sup>1</sup> 32/ 34 34 71 1: 1.3 2.1 34 30/ 29 28/ 27 38 38 91 .9 2.0 1.5 45 69 41 46 24/ 23 16 .6 50 35 20/ 19 1 . 2 18/ 17 16/ 15: 9 14/ 13 12/ 11 10/ 3.828.401.619.711.9 3.7 346 846 846 Element (X) No. Obs. Mean No. of Hours with Temperature 59.315.175 40.1 7.451 846 Rel. Hom. 4317481 ± 32 F 845 1407797 33931 13.0 54 Dry Bulb 30611 36.2 6.485 846 84 2.3.2 1143141 Wer Bulb 833358 84 Dew Point

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DATA PRUCESSING BRANCH USAF ETAC

AIR JEATHER SERVICE/MAC

34050 RAMSTEIN AR DL STATION NAME

# PSYCHROMETRIC SUMMARY

:.7<del>-</del>70,73-78

1800-2000 PAGE 1

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC RAMSTEIN AP DL 67-70,73-78 FED STATION NAME 2100-2300 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | × 31 | D.B. W.B. Dry Bulb | Wet Bulb | Dew Point 52/ 51 •2 8 .5 50/ 49 .1 7 • 6 48/ 47 23 23 11.4 6 46/ 45: .4 2.1 1.4 1.1 44 44 30 44/ 43: .1 2.2 1.1 32 32 26 The state of 42/ 41 33 2.2 1.7 33 32 1 7.8 2.8 40/ 39 91 91 49 .2 3.8 2.5 38/ 37 67 57 99 36/ 35 5.1 5.6 102 102 87 63 34/ 33 5.9 3.4 87 86 .2 5.3 3.2 32/ 31 74 108 90 1.5 6.5 2.5 90 30/ 29 82 2.4 6.3 95 94 94 28/ 27 .1 26/ 25 40 40 77 14 24/ 23: . 8; 14 43 • 1 . 7 17 17 22/ 21 20/ 19 . 2 .1 10 8 Ą 18/ 17 . 6 16/ 15 3 3 • 2 • 2 .11 14/ 13 12/ 11 2 3 10/ 8/ TOTAL 11.255.029.1 4.0 846 84¢ 846 ತ No. Obs. Element (X) Mean No. of Hours will. Temperature 80.5 0.850 34.1 7.228 Rel. Hum. 5568046 68142 846 ± 32 F 267 F 273 F 260 F ≥ 93 F 28889 1030643 846 35.0 Dry Bulb 846 Wet Bulb 913184 27192 32.1 0.810 45.1 741641 28.6 7.694 24189 840 50.9 Dew Point

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DATA PRUCESSING PRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC RAMSTEIN AR DE \$7-75,73-78 FEB STATION NAME PAGE 1 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1-2, 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 231 60/ 59 •0 .0 58/ 57' Š •0 10 10 56/ 55 • U • l ; 54/ 53 42 42 52/ 51 -•1: •1! .0 89 89 •ù 11 139 139 50/ 49 .91 48/ 47 1.4.1.3. •2 • 1 262 262 90 15 463 46/ 43 463 247 113 4: 2.6. 44/ 43 416 139 .1: 2.4: 2.4 .1: 2.9: 1.5 .6 410 363 42/ 41 1.0 393 393 386 195 5791 579 479 905 40/ 39 .2: 5.0: 2.3 .3 590 590 38/ .9 3.4 3.4 613 460 561 .6 5.0 4.9 742 742 36/ 35 .5 590 589 589 780 49° 34/ 33: 4.0 3.5 32/ 31 .4. 3.9 2.4 459 460 759 461 + + | .8 4.7 2.2 529 529 563 645 30/ 29 28/ 27 2.3, 4.9, 1.9 625 525 583 761 508 26/ 25 .9. 3.1 \_.5 303 303 620 149 24/ 23 .4 1.6 149 306 430 22/ 21 138 138 188 1.5 437 • Oi 87 37 122 20/ 13 409 18/ 17 47 47 59 237 178 21 21 15 16/ 29 14/ 13 . 1 26 26 60 18 18 12/ 11 •0 24 89 9 24 24 10/ .0 8/ 7 .1 18 8 5 5 5 ₹ 6/ .1 .0 Ó 4/ 3 ğ .0 2/ 1 4 0/ -1 5 -2/ -3 1 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. ≥67 F ≈ 73 F ≥ 80 F ≥ 93 F

Dry Bulb Wet Bulb

DATA PRUCESSING PRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC RAMSTEIN AB DL STATION NAME <u>67-70,73-78</u> PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) Te-p. TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 : 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 25 29 - 30 3 31 D.B. W.B. Dry Bulb Wer Bulb Dew Poin 6765 6766 TOTAL 10.548.179.7 7.8 3.0 .8; .1! .0 6765 ĝ Element (X) No. Obs. Mean No. of Hours with Temperature ZX, 528604 78.112.685 238970 35.3 8.181 42392464 6765 Rel. Hum. ± 32 F ≥ 93 F 6766 8892984 242.6 0.2 Dry Bulb 222547 32.9 7.402 6755 7091663 319.3 672 Wet Bulb 672 Dew Point

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DATA PROCESSING PRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR MEATHER SERVICE/MAC RAMSTEIN AR DL STATION NAME 66<u>-76,73-77</u> 经存款 PAGE 1 0000-0200 +0℃\$ .. \$. 7.1 WET BULS TEMPERATURE DEPRESSION (F) TOTAL 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26:27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 1-2 3-4 5-6 58/ 57 • 2 56/ 55 1; 10 54/ 53 Z 52/ 51 3 507 49 1.4 21 21; 31 ī • Zi 48/ 47 27 27 .9- 1.5 46/ 45; 1.2. 3.3. 3.3. 1.1 66 80 42. 22 78 78 44/ 43 27 .2 3.2 3.6 1.2 42/ 41 82 82 . 1. 9.2. 9.0. 85 97 76 51 40/ 39° .4: 5.3: 1.9. 76 . či 2.6: 2.5; 38/ 37 55: 55; OC 81 81 79 35/ 35 .3: 4.6 3.6: 53 90 ៩០ 34/ 33 .4 6.8 4.4 1171 117 32/ 31 71 71 117 55 .3 4.8 1.9 82 72 30/ 29 .5: 5.9: 1.1 72 57 57 141 28/ 27 1.0 4.5 1.0 83 •2 • \* 40 25/ 25 2.9 • 0 40 48 83 17 59 24/ 23 17 **-** 3 <u>33</u> .4. 22/ 21 0 21 36 .1 7 7 34 .3! 17 4 6 13 16/ 15 10 14/ 13. 10 7 12/ 11. 10/ 7 8/ 6/ 929 7.852.331.5 6.5 1.6 929 929 9291 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 267 F 273 F 280 F 292 F

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AIR WEATHER SERVICE/MAC RAMSTEIN AR DL 06-70,73-77 WET BULB TEMPERATURE DEP 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-56/ 55 54/ 53 52/ 51 50/ 49 6. .1 48/ 47 46/ 45 .6 2.8 44/ 43 .3 3.9 42/ 41 .3 4.2 4.0 .4 5.5 2.0 .4 2.7 2.0 40/ 39 • 2 38/ 37 36/ 35 1.0 3.9 3.0 33 31 .6 6.9 4.3 1.2 7.0 .9 32/ 30/ 29 28/ 27 5.3 1.1 26/ 25 .6 24/ .1; 2.7 .2; 2.2 23 20/ 19 1.2 16/ 15 12/ 11 10/ 8/ TOTAL 12.556.926.1 3.5 Element (X) 930 75953 ≤ 32 F ... Rel. Hum. 6303687 81.710.407 1202808 1072726 35.0 8.152 33.1 7.662 930 34.9 32576 930 30772 Ve: Bulb 44.2

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DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

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DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC RAHSTEIN AS DL STATION NAME HAR 06-70,73-77 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 24 25 - 26 27 - 28 29 - 30 \* 31 D.B./W.B. Dry Bulb Wer Bulb Dew Poin WET BULB TEMPERATURE DEPRESSION (F) 8/ 4/ .913.426.623.019.1 7.8 5.5 1.7 930 .9 930 .6 930 930 l 8 ŝ Mean No. of Hours with Temperature Element (X) 930 57863 62.216.179 3843303 Rel. Hum. ± 32 F. ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 42908 46.1 8.193 37541 40.4 6.602 2042066 930 1.0 Dry Bulb 9.6 1555899 93 Wet Bulb 930 1076858 30668 33.0 8.399 41.2 Dew Point

DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/MAC PSYCHROMETRIC SUMMARY MAR RAMSTEIN AR DL STATION NAME <u>00-70,73-77</u> 1500-1700 HOURS (L. S. T.) PAGE 1

76-P. (F) 76/ 75 74/ 73 72/ 71 70/ 69 68/ 65 64/ 63 65/ 61 60/ 59 58/ 57 56/ 55 54/ 53 52/ 51 50/ 49	0	• &	.1	.61	•1 •2 •5 •5 •9	9 - 10 + 2 + 9	•2 •1 •1			.2		• Z	23 - 24	25 - 26	27 - 28	29 - 30		TOTAL D.B. W.B. 3 6 2 6 16 19 17	3 5 2 6 16 19	TOTAL Wes Bulb	Dew Poin
76/ 75 74/ 73 72/ 71 70/ 69 68/ 67 66/ 65 64/ 63 52/ 61 60/ 59 58/ 57 56/ 55 54/ 53	.1	• &	.1	.61	.1 .2 .5 .5	•2 •9	•1 •3 •2 •1 •1	.1	.1	.3	.2 .2	•2		25 - 26	27 - 28	29 - 30	831	3 6 2 6 16 19	3 5 2 6 16 19	wer pulp	Dew Foin
74/ 73   72/ 71   70/ 69   68/ 65   64/ 63   62/ 61   60/ 59   58/ 57   56/ 55   54/ 53   52/ 51		.4	.1	.4 .9	.2 .5 .5	•9 •5	.3 .2 .1 .1	.2 .1	.ó	.3	•1	•1			# 1 man			6 2 6 16	5 2 6 16 19		
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DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC RAMSTEIN AB DL STATION NAME 66-70,73-77 1500-1700 HODES (L. S. T.) PAGE 2 WET BULB TEMPERATUPE DEPRESSION (F) TOTAL TOTAL

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B., W.B. | Dry Bulb | Wer Bulb | Dew Poin WET BULB TEMPERATUPE DEPRESSION (F) Temp. 8/ 6/ 4/ 3 ì .8 9.022.620.122.012.2 5.5 3.8 2.4 .8 730 930 TOTAL 930 930 No. Obs. Mean No. of Hours with Temperature Element (X) 58.316.862 47.6 8.357 Rel. Hum. 3424518 54214 930 ± 32 F 267 F = 73 F = 80 F = 93 F 930 44289 Dry Bulb 2174031 3.3 •9 •4 38085 \$1.0 6.541 30230 32.5 8.787 8.9 Wet Bulb 1599395 930. 930 1054368 Dew Point 43.7

AC NO. AM O. 26.5 (OL A) REVISED PRIVACUS EDITIONS OF THIS FORM ARE OSSORTER

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC 34050 RAMSTEIN AR DL STATION NAME

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### PSYCHROMETRIC SUMMARY

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06-70,73-77

DATA PROCESSING PRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/HAC RAMSTEIN AB DL STATION HAME 06-70, 73-77 MAR 1800-2000 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

O 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 231 D.S. W.B. Dry Bulb Wer Bulb Dew Point 1.219-830-121-512-2 5-4 2-4 -6 -4 -3 -1 | 9761 TOTAL 929 929 ₹ 0.26.5 (01, No. Obs. Mean No. of Hours with Temperature Element (X) 924 Rel. Hom. 61709 4319313 66.415.407 1 32 F 20F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 43.2 7.549 38.5 6.558 Diy Bulb 1783276 40094 929 5.6 35746 29727 929 17.1 93 Wat Bulb 1415340 32.0 8.599 40.1 93

DATA PROCESSING GRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR MEATHER SERVICE/MAC RAMSTEIN AS DL £6-76+73-77 MAR STATION NAME 2100-2300 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 7 - 8 9 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 23 D.B. W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 58/ 57 56/ 55 3 .1 19 54/ 53 19 .1 21 21 1 .9 1.7 50/ 34 15 48/ 47 à1 61 11 2.4 2.0 1.3 1.0 3.5 3.8 1.1 46/ 45 91 91 56 34 82 82 Ì 59 44 44/ 43 1.9| 5.2 1.6 .1 42/ 41 .1 3.3 3.7 .9 74 74 69 42 86 41 40/ 39 86 100 .3 4.3 3.9 .5| 3.2| 3.5| 1.6 85 35 66 38/ 37 93 .2 117 101 117 36/ 35 .1, 4.8 6.3: 1.1 84 .1 4.0 4.1. 35 851 89 34/ 33 122 <u>5</u>0 64 2.21 2.9 60 95 32/ 31 43 90 30/ 29: .4 3.1 .8 48 65 -1 123 50 28/ 27 .6 3.5 1.0 50 i 53 71 41 . 3 7 26/ 25 • 3 43 . 1 24/ 23 14 33 1 22/ 21 1 • 1 20/ 11 18/ 17 Ó 16/ 10 14/ 13 9 12/ 10/ 7 930 <del>9</del>30 4.337.840.513.4 930 930 힣 0.25.5 PORM JUL 64 Element (X) Ne. Obs. Mean No. of Hours with Temperature 930 930 5407996 1465473 75.212.695 39.1 6.832 Rel. Hum. 69930 ± 32 F 36367 95 Dry Julb 16.8 93 930 33587 36.1 6.542 29375 31.6 8.105 1252761 33587 28.7 930 985871 Dew Point

RAMSTEIN AB BL

USAFETAC FOLM 0.26-5 (OL A) HINTER HYDOUS TENTONS OF THUS FOLW ANT ONSOGREE

DATA PROCESSING SRANCH USAF ETAC AIR #EATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

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56-70,73-77

8/ 4/ 2/ OTAL

0.26.5 (OL A)

DATA PROCESSING BRANCH USAF ETAC

AIR MEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

RAMSTEIN AR DL STATION NAME PAGE 2 ΔLL WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL TOTAL

-2 3-4 5-5 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24-25-26 27-28 29-30 +31 D.B. W.B. ID-y Bulb | Wer B. b. Dew Point 36 2 .8! 5.485.150.713.4 8.3 3.6 1.8 •51 .li .0 7438 •0 7438 7438 Element (X) Mean No. of Hours with Temperature 40710327 537271 72.215.990 7438 ±32F 267F 273F 250F 293F Rel. Hum. Tetal 40.5 8.962 36.8 7.453 31.5 8.433 134.3 215.1 744 Dry Bulb 301239 7438 10469026 7438 273488 744 Wer Bulb 7915302 234452

06-7 y 73-77

DATA PROCESSING PRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR MEATHER SERVICE/HAC RAMSTEIN AR DL STATION NAME 06-7₽,73-77 0000-0200 -003 (.3.3. PAGE 1 WET BULD TEMPERATURE DEPRESSION (F) TO. .L 0 1.2 3.4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-25 27-28 29-30 431 D.S. W.B. Dry Buils | Ver Buils | De- Port 64/ 63 62/ 61 2 60/ 59 . 1 2 •1; 58/ 57 • 1 14 55/ 55 .2 1.0 • 1 14 54/ 53 1.9 25 28 3 52/ 51: 38 : 13 38 1.3 2.0 .3: .1: 2.0: 2.2 50/ 49 49 49 47 : 45/ 47 5.0 2.3 .4. .7: 4.1 2.9. 1.6. .2 2.6 2.7! 1.3 - 3: 36 73 **73** I 53 46/ 45 35 86 89 81: 45 44/ 43 54 .3 54 66 42/ 41 73 73 ; 41 4.0 2.1 1.4 46 .0 .1. 5.3. 3.2 65 80 81 04 •1! 8 4.0 4.0 38/ 37 84 85 66 63 35/ 35 57 05 .2 6.1, 2.2 80 911 34/ 33 2.9: 3.3 . B; őЗ 63 96 89 73 .1 2.9 1.2 32/ 31: .2 40 40 74 36/ 29. 28/ 27 .3. 3.7 • 0 42 77 42 51 ÷Σ .7: 5.1 . 3: 51 61 63 Ăő. 5 26/ 25 .1. .3 37 50 24/ 23 -1 35 22/ 21 20/ 19 21 18/ 17 16/ 15 JATUT 3.749.981.810.5 2.8 1.1 299 598 598 898 ₹ õ 0.26.5 Element (X) Mean No. of Hours with Temperatur 70481 78.511.595 898 5652403 Rel. Hom. 2 A F :32 F | 267 F | \*73 F | \*80 F | \*93 F 90 Dry Belb 1527986 36410 40.5 7.709 899 14.9 1329078 37.8 7.738 90 Wet Belb 33943 895 23.0 De- Point 1100342 30602 34.1 8:006 898. 40.5

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC RAMSTEIN AB DL STATION HAME APR 06-70,73-77 PAGE 1 0<u>300-05</u>09 HJJRS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 21 D.B. W.B. Dry Buth Wer Buth Dew Point 60/ 59 58/ 57 56/ 55 .3 6 .7 1.1 25 25 54/ 53 25 1,0 1,8 25 52/ 41 .1 2.0 1.7 41 50/ 49 56 31 48/ 47 .4 2.8 2.4 56 48 46/ 45 .0 5.8 3.0 88 88 43 60 .4| 2.6| 3.3 3.2 1.4 57 44/ 43 57 83 61 44 32 42/ 41 48 40/ 39 .4 4.6 3.1 80 80 72 52 .1 37 84 84 64 38/ 64 36/ 35 .6 8.4 2.0 100 100 Óΰ 87 82 33 .7 7.4 1.5 87 125 .2 4.2 1.3 .1 4.1 1.0 89 32/ 31 52 52 30/ 29 47 47 45 93 28/ 27 1.8 4.4 • 6 61 61 74 49 28 28 35 24/ 23 .4 1.3 16 **Z**9 33 24 22/ 21 33 20/ 19 18/ 17 11 16/ 15 14/ 13 900 900 6.651.327.2 3.4 1.1 TOTAL 900 900 ã ਠੁ No. Obs. Mean No. of Hours with Temperature Element (X)

905

800

900

900

3 32 F

20.5

28.1

44.8

≥ 93 F

90

≥67.F. ≥ 73.F ≥ 80.F

81.6 9.857 38.5 7.727

36.4 7.253

33.2 8.004

73456

34681

32738

29921

CO CO AN AND DEPLOY DEPLOY OF THE ORDER OF THE OFFICE OF T

Rel. Hum.

Dry Bulb

Wet Bulb

Dew\_Point

6082658

1390091

1238150

052337

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC t RAMSTEIN AD DL STATION NAME 66-70,73-77 Ţ. PAGE 1 0600-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 1-2 3-4 5-6 (F) 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 71 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B.-W.B. Dry Bulb Wet Bulb Dew Point 7 - 8 60/ 59 . 1 58/ 57 € 56/ 55 •2 12 12 . 8 54/ 53 ٠Ó 20 20 52/ 51 34 1.0 Z.5 34 13 € 50/ 49 3.1 2.0 51 51 40 48/ 47 3,9 29 35 55 61 53 72 46/ 45 2.8 91 91 44/ 43 3.0 3.8 67 45 67 . 3 42/ 41 83 83 65 40/ 39 5.0 1.1 50 63 63 90 38/ 37 4.6 3.9 90 90 74 .2 6.9 3.1 93 36/ 35 96 96 74 4.7 2.4 34/ 33 68 68 113 69 4.1 32/ 31 49 45 67 30/ 29 77 .6 4.0 44 44 68 28/ 27 39 39 106 1.4 2.6 51 1.7 19 19 19 58 24/ 23 38 .1 1.0  $\Pi$ 11 18 22/ 21 ĺΟ ŻZ. 20/ 19 18/ 17 Ó 16/ 15 TUTAL 5.756.729.2 0.6 1.2 900 900 900 900 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 72795 80.910.233 5932047 900 ≾-32 F ≥67.F = 73 F = 80 F = 93 F Total 35672 1465980 39.6 7.613 900 Dry Bulb 10.6 1297410 33568 37.3 7.106 900 90 Wet Bulb 24.4 34.1 7.805 Dew Point 30659 90

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

34050 RAMSTEIN AB DL 66-70,73-77

STATION STATION NAME

66-70,73-77

YEARS

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE:	SION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77			I							.2					Ī		T -	2	2		
74/ 73		<u> </u>						.4		<u> </u>							<u> </u>	4	4		
72/ 71		!						. 1									l	1	I		
70/ 69								.2		•1								3	3		!
68/ 67		l	!			•1		. l	.3								i	5	5		
66/ 65		!	ļ	• 1		• 4	.7	.4	.2	•1							<u> </u>	18	18		
64/ 63		i	1	. 1	. 8	•6	• 2	.8									i	22	22	,	
62/ 61		1	! 	,4	• 2	.4	•6	. 2									<u> </u>	17	17		
60/ 59		ļ	• l	. 3	۰Ó	6.	ۇ •	.2							ĺ		İ	59	29	9	
58/ 57		·	• 1	1.2	• 9	- 8	1.0	•1		<u>                                     </u>							<u>. </u>	37	37	4	
56/ 55		ĺ _	•9	1.3	1.2	l.ō	• 6			i i				! !			į	51	51	18	1 1
54/ 53		2		1.8	1.8	1.3	24	.1									<u> </u>	72	72	23	
52/ 51		1.7	3.4	• /	2.6	. • 4	•6											84	84	53	11
50/ 49		1.0	2.8	2.3	1.1	1.0											<u> </u>	82	82	79	24
48/47		1.0	2.0	1.04	1.8	1.0	• 3										1	75	75	104	53
46/ 45		2.0		3.1	2.8	•3	•1			<del>                                     </del>				<u> </u>			<del> </del>	106	106	88	85
44/ 43		1.6	•		7 .	• 2				1								75	75	89	55
42/ 41		9			•6	<del> </del>				+							<b> </b>	51	51	68	44
40/ 39	•1				• 4	(											1	62	62	90	74
38/ 37 36/ 35		2.4				├──				<del>                                     </del>							├	56	56 28	99	84
36/ 35 34/ 33	.2																	28	13	85	89 86
32/ 31	• 1	1.1				<b> </b> -				<del>  </del>							├	13	13	64	77
30/ 29		.0								!						-		, ,	•	25 2	78
28/ 27		<u> </u>	<del> </del>										——	<del> </del>			<del>                                     </del>			<del></del>	69
26/ 25		1								li							1				30
24/ 23			<del>                                     </del>			<del>                                     </del>				<del>                                     </del>				1			1	<b> </b>			
22/ 21									_			_					1				16 20
20/ 19			<del>                                     </del>						-								1				-,2
18/ 17														.							l îl
167 15			$\Box$							3					-		1	1			Ť
TOTAL	4	18.0	27.4	19.8	16.1	9.0	5.3	2.9	.6	4				-	,		<b>1</b>	_	900		200
									ۋىرىد مەد ،	: 147 74	-ই-শ্ৰহ				-			900		900	
		حيتك				ــــــــــــــــــــــــــــــــــــــ				ř	 			غينا				<u></u>			
Element (X)	<u> </u>	ΣX?			Zχ		X			"No. Ob								h Tempera			<u> </u>
Rel. Hum.			7051	<u> </u>	587			5.7		- 9	00	± 0 !		≤ 32 F	≥ 67		2 73 F	≥ 80 F	: + 93 F		Total _
Dry Bulb			6791		435			8.1		9(	10	- 	_	7.	1	5	6	<u></u>			90
Wet Bulb			9433		<u> 385</u>			673		9(			_ ^	2.7		4					90
Dew Point		124	3079		327	73	30 4 A	7.30	9	9 رئيس	20	·		29.4	1,200						90

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

34050 RAMSTEIN AR DL 66-76,73-77

STATION NAME

PAGE 1 1200-1400
HOURS (C. S. T.)

Temp (F) 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 231 D.B.-W.B. Dry Bulb Wer Bulb Dew Poin

Temp [											SSION (							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wer Bulb	Dew Point
84/ 83													•1					1	1		I
82/81		f									.1	• 6						6	6		
80/ 79				i							•1	• 1						2	- 2		
78/ 77	I			1		į		.1	.1			ĺ						2	2	į	
76/ 75					• l			.1		.2		• 1						5	5		
74/ 73	1	,	- 1	- 1	ı	• 1			.2	.2	.3	• 2	.1					11	11	!	!
72/ 71					• 1			.2	.8	.3	.3	•2	• 1					19	19		
70/ 69	ļ		ı	ļ	j		.1		.7	.4	.4							15	15		
68/ 67				ı		.3	• 2	. 8	1.0	.6	. 2	-1						29	29	1	
66/ 65	1	į		- 1	-3	•4	.8	.6	.6	.4	.2							30	30	1	Ì
64/ 63					•4	• 5	1.1	1.1	.8									38	38	2	
62/ 61			l	- 1	• 6	•6	1.6	1.1	• 6									41	41	3	1
40/ 59				.4	1.3	1.4	1.0	1.4	•2	•1								59	59	8	2
58/ 57			_ • 2	.9	• 9	1.1	1.2	<u>.</u> l	.7		!							46	46	18	
56/ 55		• 1	1.4	1.7	.8	1.4	•9	7										03	63	24	1
54/ 53		. 4	1.9	1.3	1.0	1.6	• 8	.7	.1									70	70	49	1
52/ 51	• 1		1.0	1.2	1.6	1.8	1.1	.3										72	72	87	8
50/ 49		.3	1.8	.7	1.2	1.1	1.3											58	58	109	17
48/ 47		l.ô	• 9	1.0	1.0	1.8	• 6											56	66	78	47
46/ 45		1.1	2.1	2.6		2.9	•2		<u> </u>	i 				<u> </u>				109	109	87	69
44/ 43		1.4			1.3	• 2				ĺ								47	47	63	74
42/ 41	1	1.3			.7				<u> </u>									49	49	98	42
40/ 39		1.6		. 8	.4													46	40	87	80
38/ 37	1	.2	. 3															10	10	96	77
36/ 35	ı	• 2		•1						l						`		3	3	67	80
34/ 33		.2							<b>.</b>									2	2	19	77
32/ 31									ĺ	l				ĺ				l	i I	8	56
30/ 29										<u> </u>				<u>.                                    </u>				<u> </u>			62
28/ 27									İ			-	-	•	li			Į	į į	ĺ	58
26/ 25										<u> </u>	<u> </u>							<u></u>	<u> </u>		56
24/ 23													-	[				į	[	i	42.
22/ 21													<u>.                                    </u>	<u> </u>							27
30/ 19			-						l	. **				ľ					į į	ĺ	lo
18/17					ليسا		. نو پر			يضر		-0.00 °		<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>		6.
Element (X)	<u> </u>	Σχ²		<u> </u>	Z x		<u> </u>	<b>₹</b>		No. OI	******	<u></u>						h Tempera	ture		
Rel. Hum.		· - ·	<u> </u>						1			. ≤ 0	F:	32 F	≥ 67	F .	73 F	_≥ 80 F	≥ 93 I		Total
Dry Bulb		÷					<u> </u>		وبقائيه					<u></u> -				<u> </u>	<u> </u>		
Wet Buib		· · · · ·			<u> </u>					ye see		- 72		· 				نــــــنا	4	<del></del> _	
Dew Point								wiz			yeren , ,			36 °	l						

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR MEATHER SERVICE/MAC ΔPR 34050 RAMSTEIN AB DI. 65-7<sub>0</sub>,73-77 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 16/ 15 .3 8.9 65.1 4.1 15.8 15.6 11.5 7.2 5.7 2.3 1.8 1.3 399 699 TOTAL 399 899

No. Obs.

899

899

899

899

≤ 0 F.

\_ ± 32 F

54.1 8.071 53.2 9.456 44.8 6.532 35.5 8.143

48647

47819

40265

31900

Mean No. of Hours with Temperature

9.0

≥67 F = 73 F = 80 F = 93 F

90

90

90

Element (X)

2925659 2623847

1841727

Rel. Hum

Dry Bu.

Wet Bu

Dew Po

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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Ory Bulb Wet Buib Dew Point

#### **PSYCHROMETRIC SUMMARY**

APR 34050 RAMSTEIN AR DL 56-70,73-77 STATION NAME MONTH 1500-1700 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 23 D.B. W.B. Dry Bulb Wet Bulb Dew Point .6 84/ 83 82/ 81 •1 0 6 3 .3 3 78/ 77 2 .1 ŧ 9 9 76/ 75 • 4 74/ 73 • 1 .2 • 6 16 10 72/ 71 .3 1.0 24 24 70/ 69 1.0 • 8 1.3 34 34 • 1 . 7 .3 28 28 68/ 67 . 2 .8 34 34 66/ 65 •6 1.1 .8 • 3 64/ 63 .6 52 28 28 5 7 62/ 61 .1 1 1 1.0 .6 49 49 59 • 5 60/ .7 44 58/ 57 •8 •7 44 •6 1.0 . 2 14 68 68 56/ 55 1.1 .6 38 54/ 53 .6 2.8 2.2 1.1 1.1 1.0 39 89 50 52/ 51 1.3 65 65 <u>i.1</u> 96 . 2 1.2 21 50/ 49 1.9 .6 1.3 1.2 1.5 63 63 105 1.7 71 71 40 48/ 47 2 . 2 1.1 90 78 46/ 45 2.4 81 2.1 1.1 1.4 57 57 63 44/ 43 1.1 77 39 52 39 42/ 41 1.3 1.4 1.2 78 40/ 39 1.2 26 26 89 69 12 56 38/ 37 .2 1.0 12 101 **7**9 36/ 35 54 10 79 34/ 33 81 32/ 31 3 30/ 29 61 63 28/ 27 26/ 25 46 24/ 23 27 21 30 22/ Ž۷ 20/ 19 18/ 17 15 16/ 15 ZX2 Mean No. of Hours with Temperature Element (X). Rel. Hum. ±0 F . ≤ 32 F.

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 34050 RANSTEIN AB DL STATION NAME 66-70,73-77 APR 1500-1700 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 26 | 29 - 30 | ≥ 31 | D.B. W.B. Dry Bulb | Wer Bulb | Dew Point .6 9.314.471.412.712.213.0 9.3 7.0 4.1 2.2 2.1 1.4 .1 900 900 TOTAL 900 900 0.26.5 (OL A) Element (X) No. Obs. Mean No. of Hours with Temperature 47013 52,220,263 49021 54.5 9.777 40765 45.3 6.322 31741 35.3 8.342 2824915 2755993 Rel. Hum. 900 ± 32 F ≥67 F ≥ 73 F ≥ 80 F 900 90 Dry Bulb 90 1882359 Wet Bulb 900 1181995 900 Dew Point

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

34050 RAMSTEIN AD DL

#### PSYCHROMETRIC SUMMARY

Mean No. of Hours with Temperature ≥67 F ≥73 F ≥80 F ≥93 F APR

48

39 Ž3

To

15

Total

PAGE 1 1300-2000 HOUKS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point 82/ Bl 78/ 77 76/ 75 T T .1 74/ 73 6 6 72/ 71 .1 .1: • 1 70/ 69 11 11 68/ 67 . 6 12 12 9 66/ 65 29 29 .2 64/ 63 • 3 ·8 .9 .9 36 36 62/ 61 .7 . 9 . 5 33 33 ٠Ó 60/ 59 58/ 57 .3 38 38 .7 2.2 .7 1.6 .6 1.9 1.7 1.6 2.1 .7 1.8 56/ 55 .1 62 54 25 54/ 53 85 85 29 .7. 2.9 1.1 1.8 52/ 51 74 9 60 50/ 49 .8 1.1 .9 .4 2.5 64 . Į 54 102 14 48/ 47 1.7, 1.5 64 64 33 3.7 4 1.6 2.7 1.0 106 106 92 2.3 99 .8 1.0 1.1 2.0 56 77 <del>48</del> 48 1.8 1.6 1.8 1.1 57 57 57 65 1.6 1.7 1.0 40/ 39 61 62 ٥I 70 38/ 37 39 39 77 107 36/ 35 34/ 33 13 13 86 63 .8 73 46 32/ 31 .1 -11 91 19. 30/ 29 70

No. Obs.

₫ Õ Ē

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06-76.73-77

YEARS

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28/ 27 26/ 25

24/ 23 22/ 21

20/ 19

18/ 17

16/ 13

Element (X)

Dry Sulb Wer Bulb Dew Paint Zx2

ZX

X.

1

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR MEATHER SERVICE/MAC 34050 RAHSTEIN AB DL STATION NAME <u>a6-74,73-77</u> PAGE 2 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Buib Wet Buib Dew Point .713.220.413.916.013.8 8.7 0.014.2 1.2 .7 .7 TOTAL 900 900 Element (X) No. Obs. Mean No. of Hours with Temperature 3389577 2382996 Rel. Hum. 52555 58.418.886 900 = 32 F ≥67 F ≥73 F ≥80 F ≥93 F 900 .2 2.3 Dry Bulb 45614 50.7 8.898 <u> 90</u> 39137 43.5 6.440 31630 35.1 8.199 Wet Bulb 1739183 900

DATA PROCESSING RRANCH USÁF ETÁC PSYCHROMETRIC SUMMARY AIR EATHER SERVICE/HAC RAMSTEIN AS DL STATION HAME **APR** 36-70,73-77 2100-2300 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL ! 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30, 231 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1-2 3-4 5-6 7-8 66/ 65 : 64/ 63: 7 62/ 61: . 1 10 10 60/ 59 • Z 15 58/ 57: •1 56/ 55 1.0 1.1 33 33 18 53 49 54/ .3 Z.0 1.0 52/ 51 48 48 2.2 1.0 2.3 4.3 2.0 1.4 .1 3.7 2.8 2.0 1.2 50/ 49 94 <del>5</del>5 48/ 47 94 i 94 72 42 •6 .7 3.4 3.4 2.1 1.0 .1 2.6 2.1 1.7 1.3 99 46/ 45 • 3 97 100 44/ 43 59 1.3 71 71 37 .1 53 42/ 41 2.1, 1.5 2.2 60 60 82 40/ 39 38/ 37 69 69 3.0 3.6 69 60 .3 3.1 3.1 1.0 79 66 05 ÓS 36/ 35 3.4 3.8 .7 71 90 39 78 34/ 33 1 1.7 1.9 19 82 32/ 31 1.3 34 34 58 82 30/ 29 68 .1 1.7 23 23 44 • 8 **9**5 28/ 27: 22 • 3 26/ 53 25 19 24/ 23 22/ 21 16 15 20/ 19 18/ 17 900 900 1.831.135.017.9 8.6 3.6 1.9 900 900 Mean No. of Hours with Temperature Element (X) Tx, No. Obs. 65234 72.513.742 39732 44.1 7:633 Rel. Hum. 4898082 900 ± 32 F. 6.2 90 Dry Bulb 900 1806412 90 36240 40.3 6.782 1500408 900 13.1 Wet Bulb Dew Point 31846 35.4 7.846

DATA PRUCESSING RANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 34050 STATION RAMSTEIN AF DL 26-70,73-77 STATION NAME PAGE L WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 23 D.B. W.B. Dry Bulb Wet Bulb Dew Poin •1 84/ 83: 82/ 81 50/ 79 .0 12 .0 12 2 7 .0 •0 78/ 77 .0 76/ 75: 74/ 73: 15 •0 .0 .0 .1 15 .0 37 37 .0 .1 .0 .2 72/ 71: .0 .0 48 | 48 • 2 .2 • 1 <u>.</u>ol 70/ 69 •0 .0 63 63 68/ 67 .1 •3 74 74 . Z . 1 • 0 1 113 66/ 65 .0 113 .3 . 2 64/ 63 .0 159 159 62/ 61 .3 130 130 9 . 1 Ž 60/ 59 .0 195 196 30 58/ 57 .6 .2 .0 186 186 .6 41 56/ 55 -1 • 8 .0 3091 309 111 54/ 53 1.9 • 8 •9 .0 438 438 179 12 52/ 51 440 440 361 45 .9 2.2 1.0 • 5 50<u>2</u> 568 50/ 49 502 554 605 48/ 47 554 311 ·1, 2.7, 1.5 .3 762 3.1 2.8 762 46/ 45 634 664 .1, 1.9, 2.3, 1.2 1.0 486 485 614 469 456 .1 2.5 1.9 1.4 550 42/ 41 456 364 39 3.2 2.5 493 493 40/ 648 517 2.3 44<u>3</u> 38/ 37 444 55<u>2</u> 706 . 6 36/ 35 .2 3.5 1.6 395 395 633 585 5<u>56</u> l 33 .2 2.3 279 279 633 32/ 31 .1, 1.8 •13 134 184 350 586 307 29 "Ō 156 156 214 586 28/ 27 166 1.6 • 2 166 210 547 26/ 25 52 52 9.8 386 28 51 284 24/ 23 .0 28 •3 197 22/ 21 20/ 146 2 18/ 17 70 Element (X) Mean No. of Hours with Temperature Rel, Hum. 132 F 267 F 273 F 280 F 293 F 10F.

Dry Bulh Wer Bulb Dew Point DATA PRUCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR MEATHER SERVICE/MAC RAMSTEIN AB DL 06-70,73-77 PAGE 2 ALL MCURS (L. S. T.) TOTAL Te-p. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-31, z 31 D.B. W.B. Dry Bulb, Wet Bulb De-Poin 16/ 25: 14/ 13, 12/ 11 2.581.125.112.2 9.3 6.9 5.1 3.3 2.2 1.0 .6 .5 7198 7197 7197 Z<sub>X</sub> X 3.4.488926 67.918.999 332500 46.210.282 Element (X) No. Obs. Mean No. of Hours with Temperature 35812422 16120096 7197 Rel. Hum. 112 F ≥ 67 F \*73 F | \*80 F | \*93 F 59.1 20.5 7198 720 Dry Bulb 8.0 12517948 9223274 - 295230 41.0 7.523 34.9 0.022 720 7197 94.01 Wet Bulb Dew Point 251092 292.9 720

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DATA PROCESSING RRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC RAMSTEIN AP OL 06-70,73-77 HAY STATION NAVE PAGE 1 0000-0200 WET BULB TEMPERATHRE DEPRESSION (F) TOTAL TOTAL (F) 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B-W.B. Dry Buib | Wer Buib | Dew Poin 70/ 69 1 64/ <u>63</u> 3 ŝ 13 62/ 61 .31 ٠2, 13 1; 60/ 59 24 24 ·2 2.8 3.7 58/ 57 .1 •11 .1: 44 .4 18 56/ 55: 54/ 53 .3 88 88 12 21 .3 3.1, 2.3 •1 51 81 65 Ž٥ 53 52/ 51 .5 96 96 <u>95</u> .4. 3.1 5.4. 50/ 49 .6 3.4 4.9 • 1 .9 6.3 3.8 110 110 74 140 46/ 45 1.5 7.2: 4.1 129 146 .8 • 3 129 138 44/ 43 .8: 4.6: 3.0 ĞĐ 80 106 125 42/ 41 .2 3.2 1.4 50 90 50 79 .5 88 40/ 39 3.0 1.3 40 57 37 33 74 .6; 1.7 1.0 33 51 57 36/ 35 18 18 <u> 35</u> 34/ 33 1.0 12 12 20 18 30 7 32/ 31 22 - 8 30/ 29 27 - I 1 28/ 27 17 26/ 25 24/ 23 5 22/ 21 5.842.385.411.4 3.8 1.0 930 TOTAL 930 930 930 ₹ S S Element (X) Mean No. of Hours with Temperature 74945 50.611.138 44950 48.3 6.520 74945 Rel. Hem. 6154769 930 ≥67.F +73.F >80.F = 0 F ± 32 F + 93 F 43 930. Dry Bolb 2212078 •9 930 1953580 42264 45.4 5.950 2.4 93 42.4 0.601 7.9 1713926 39450 530

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### **PSYCHROMETRIC SUMMARY**

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC RAHSTLIN AR DL STATION HAME MAY 65-7U,73-77 YEARS MONTH PAGE 1 0600-0800 HOURS (L. S. T. Temp (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 72/ 71 66/ 65 1 • 1 1 64/ 63. : 1.1 • 2 20 +2. 17 17 .9 2.3 1.5 2.3 60/ 59 •1 44 58/ 57 .9 50 50 56/ 55 3.1 1.9. 2.7 . 8 •6; 86 85 28 12 54/ 53 . 3 .4 99 99 26 .1 2.4 4.3 3.1 äl 93 93 56 52/ 51 50/ 49 .2 2.7 5.4 1.2 •1 80 .6 4.0 5.7 109 109 125 59 110 48/ 47. 1.3 5.6 2.0 98 98 139 • 3 46/ 45: 6.2 3.8 120 150 167 44/ 43 .5 3.8 1.3 114 90 42/ 41 42 42 .11 2.01 2.0. 51 53 39 36 36 81 40/ .3 2.9 • 61 38/ 37 1.0 52 21 55 36/ 35 .1: 1.3 • 3 16 16 15 . 8 11 31 11 34/ 33 23 32/ 31 30/ 29 3 7 29 .3 12 28/ 27 1 26/ 25 3 24/ 23 2 22/ 21 TOTAL 5.387.782.017.3 5.2 2.0 930 930 930 930 ₹ Ć. 0.26.5 7 No. Obs. Element (X) ZX Mean No. of Hours with Temperature 79.011.893 930 73437 Rel. Hum. 5930327 ≤ 32 F ≥67 F × 73 F × 80 F Dry Bulb 2319873 46021 49.5 6.766 93 •8 <del>9</del>3 Wet Bulb 2019981 42991 46.2 5.928 930 1.6 39937 42.9 6.436 Dew Point 93 430

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DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SEPVICE/MAC PSYCHROMETRIC SUMMARY 34050 RAMSTEIN AB DL STATION NAME 06-74.73-77 0900-1100 HOURS (L. S. T.) PAGE 1

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DATA PRUCESSING RRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

34050 RAMSTEIN AB DL
STATION

Temp.
(F) 0 1.2 3.4 5.6 7.8 9.

88/87

### PSYCHROMETRIC SUMMARY

Q6-70,73-77
YEARS
PAGE 1 1200-1400

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Poin 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 5 86/ 85 . 2 .2 84/ 83 •2 6 Ó 62/ 81 8 30/ 79: ,5 •1 14 14 78/ 23 23 75 38 76/ 38 .6 1.2 1.2 74/ 73 72/ 71 70/ 69 .5 1.3 .4 43 53 43 .6 • 2 •0 53 1.6 . 5 68/ 67 57 61 64/ 63 1.0 99 99 1.0 62/ 61 2.9 1.8 85 85 60/ 59 1.0 1.7 2.0 91 91 1.9 75 58/ 57 2.2 1.8 75 93 1.6 56/ 55; 1.8 1.6 1.7 64 64 54/ 53 55 55 123 52/ 51 29. 41 . 8 .3 1.2 •8 109 35 35 82 50/ -6 90 14 14 48/ 47 • 3 113 . 8 • 2 10 146 46/ 45 10 73 130 44/ 43 . 1 25 67 42/ 41 14 39 82 40/ 12 60 37 38/ 36/ 35 36 34/ 33 35 32/ 31 25 30/ 29 30 28/ 27 Ŗļ 26/ 25 3 24/ 23 Mean No, of Hours with Temperature Element (X) Rel. Hum. Dry Bulb Wet Bulb

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 34050 RAMSTEIN AR DL STATION NAME MAY 46-70,73-77 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 (F) D.B. W.B. Dry Bulb Wet Bulb Dew Point TUTAL ·4 2.7 8.3 1.5 3.5 17.2 17.2 9.8 8.3 3.6 3.1 1.6 .6 930 930 930 Đ 0 0 (: 0-26-5 (OL. A) No. Obs. Mean No. of Hours with Temperature Element (X) 48025 51.615.774 58297 62.7 8.543 2711157 =67.F = 73 F = 80 F = 93 F Rel. Hum. 930 1 32 F 93 3722141 Dry-Bulb 930 48719 40313 52.4 5.516 43.3 6.829 Wer Bulb 2580459 930 93 930 93 Dew Point 1790785

DATA PROCESSING ARANCH USAF ETAC AIR HEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

34050 RANSTEIN AB DL 66-70,73-77 MAY
STATION STATION NAME 66-70,73-77
PAGE 1 1500-1700

Temp.						WET	BULB	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Por
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86/ 85											.1	• 1	.1	•2			1	5	_ 5		
84/ 83								.1		.2	.2	.3					i T	8	8		
82/ 81									•1	.4	.4	• 8					1	16	16		1
80/ 79								.2	.5	• Ó	1.2	•5	.2					31	31		
78/ 77								.2	.6	1.6	-,1	•2					]	26	26		
76/ 75							•1	.2	.6	1.2	1.2							31	31		
74/ 73		1			•l	• 2	.2	1.0	2.0	.5	1.1	•2						50	50		1
72/ 71						•2	•6	1.6	1.6	.8	.6	•2						53	53	i — —	
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667 65				.5	•2			1.4	4	.2	.1							60	60	12	
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58/ 57		.2	.6	1.8	1.4	1.3	. 6	.4										60	60	97	4
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Rel. Hum.				-			- 12-10-1 - 12-23			Beller.		_ ≤ 0	F	≤ 32 F	. ≥ 67		73 F	≥ 80.F.	<b>≥ 93</b>	F	Total
C.y Bulb		<del></del>					. T:	36.4.V	- 134												
Wet Bulb				-			v 2	. Not 3200	2.4						-		<del></del> -	<del>                                     </del>			
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TAC FORM 0.26-5 (OLA) REVISED MENOUS EDITIONS OF THIS FORM ARE OBSC

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 34056 RAMSTEIN AB OL STATION NAME 06-70,73-77 WET BULB TEMPERATURE DEPRESSION (F)

PSYCHROMETRIC SUMMARY

PAGE 2

1500-1700 HOURS (L. S. T.)

Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	₹ 31	D.B W.B.	Dry Bulb	Wer Bulo	Dew Point
DŢAL	• 2	2.9	6.5	10.5	11.4	13.9	14.5	14.0	9,4	7.2	6.0	2.4	.4	•3	•1			930	930	930	930
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Dry Bulb	1_		368-		395	18	64.1	3.7	94	9	30				35	6	17.0	4.	·		93
Wet Bulb			2955		492	29	52.9	5.3	96	9	30					.2	· · ·		4		93
Dew Point		178	8712		403	UZ	43.3	26.7	<del>4</del> 0	. 9	30		75	d.Z	<u> </u>	. T. 2			-l		

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

34050 RAMSTEIN AS DL STATION NAME

06-70,73-77

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PAGE 1

1800-2000

Temp							BULB											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Por
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82/ 81		<u> </u>	Ĺ	<u>'</u>			<u> </u>		.2	.1		•1	L	<u> </u>			<u></u>	4	4		Ĺ
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78/ 77.		1	<u> </u>				• ?		.2	. 8	.3						ļ	14	14		-
76/ 75		2	1		.1	-1		.5	5.	.6	-1							22	22	 	
74/ 73		· 	<u> </u>	<u> </u>			.3	1.0		.2				Í				24	24		<u> </u>
72/ 71		i	1		• 2	• 2	.8		1.0	.6	.3							36	36		i
70/ 69			<u> </u>	1		1.3		1.7	.6	.5	.2						<u> </u>	49	49	!	<u> </u>
68/ 67				1	-1	•6		.9	.5	.3	.1							30	30	2	i – –
66/ 65		·	.1	.3	.4	1.9			.5	.3					•		<u></u>	66	_ 66	5_	
64/ 63:		i	.3	1.2	2.6	2.6	3.0	1.4	.3	.2	.1							109	109	8	
62/ 61.		<u>:</u>	.2	1.7	2.6	2.4	1.8	8.	.3								1	91	91	23	
60/ 59		. 1	1.4	2.0				.5										91	91	61	
58/ 57		: .3	1.5		1.5	1.6	.8	.5		!				<u> </u>				74	74	69	ļ.
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54/ 53				2.3	1.3	• 4				<u> </u>								62	62	127	3
52/ 51:		1.5		1.1	5.	8•	5.											66	66	132	6
50/ 49		5		1.0							<u> </u>			<u> </u>			<u></u>	34	34	129	7
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46/ 45	4								<u> </u>		L							16	16	77	13
44/ 43		.3	.3	.1	•1					ĺ	i							8	8	39	12
42/ 41		1	.5	1			<u></u>		<u> </u>						<u>                                     </u>		<u></u> .	5	_ 5	26	6.
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22/ 21											l						L	11			
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Rel. Hum.			9709		525	17	36.5				30			32 F	≥ 67		73 F	> 80 F	> 93 1	-	Total
Dry Bulb	<del></del>		4538		561		60.4			- 6	30		-	- 32 (	18.		7.4	1.0		<del>`</del>	9
Wet Bulb			9994		479		51.6				30					2			<del></del>	╼┼╌	9
Dew Point			2993		405		43.6				30.		┿	6.3		4		<del> </del>	┿╾	<del></del>	9
PEW/COINT			£173	-	-742	<u></u>	+ V	<u></u>			<u> </u>		<u> </u>		l:			تئنيا	حنبتك	بدنات	'ئنج

AC FORM 0.26-5 (O. A) REVISED MEYICUS EDI

USAFETAC FORM S. A. S.

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC RAHSTEIN AB DL 06-70,73-77 HAY STATION NAME PAGE 1 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 3 - 14 - 15 - 16 - 17 - 18 - 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 D.B. W.B. Dry Bulb Wet Bulb Dew Point 72/ 71 1 • 1 70/ 69 6 8 68/ 67 • 4 • 4 5 6t; 65 اد. 22 .5 . 0 • 4 .1 22 64/ 63 1.5 1.1 40 1.3 • 2 40 37 1.0 37 62/ 61 • 3 60/ 59 58/ 57 .2 1.3 1.9 1.1 48 48 3 • 4 11 1.9 2.5 99 . 8 99 2.8 1.6 39 56/ 55 2.6 3.2 3.8 • 2 109 109 55 17 2.6 3.8 3.9 107 107 41 54/ 53 .2 .1 105 •8 52/ 51 .8 2.5 5.2 1.7 • 2 101 101 112 50/ 49 3.1 4.7 1.5 . 8 102 102 134 93 94 48/ 47 4.1 2.9 1.0 4.4 3.5 1.0 34 • 0 84 145 46/ 45 87 87 106 177 107 37 37 44/ 43 1.5, 1.5 •1 83 .9 20 .9 .9 66 42/ 41 .3 20 50 40/ 39 . 5 • 5 13 13 41 68 • I 5 38/ 37 61 • 2 5 .2 25 36/ 35 38 5 2 23 34/ 33 5 . 1 2 32/ 31 • 1 18 30/ 29 ŽZ 28/ 27 11 26/ 25 3 24/ 23 I 2.825.131.521.1 9.8 6.3 2.6 930 930 TOTAL 930 930

No. Obs.

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930

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Mean No. of Hours with Temperature

≥ 93 F

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0.26.5 (OL A) REVISED MEYICUS FORTIONS OF THIS FORM ARE OBSOLES

Element (X)

5246045

2629166

2207173

1853872

68643

49088

73.813.901

52.8 6.409

45023 48.4 5.443 41080 44.2 6.503

Rel. Hum.

Dry Bulb

Wat Bulb

Dew Point

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

34050 RAHSTEIN AR DL STATION NAME

### PSYCHROMETRIC SUMMARY

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Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (I	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8			13 - 14					23 - 24	25 - 26	27 - 28	29 - 30	. ≥ 31	D.B. W.B.	Dry Bulb		Dew Por
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86/ 85								]			.0	•e	•1	•0	.0		<u> </u>	10	10		<u> </u>
84/ 83				1	-			.0		.0	.1	• 1	.0	•0			i	19	19		
82/ 81:									.1	.1	.1	2					<u></u>	28	2.8		
80/ 79	i				1	į	•0		.1	.2	.2	•1	•0				į	55	55		
78/ 77		<u>.                                    </u>			!		•0			.5	-1	-1					<u> </u>	66	66		<u> </u>
76/ 75	:	:		: 1	•0	• 0	• 1	.2	•3	.4	•2	•0						100	100		l
74/ 73					<u>•0</u>	•1	• 2	.5	.5	.2	•2	•0					<u> </u>	131	131		<u> </u>
72/ 71				أم	• 1	• 2	• 4	• 0	.5	.3	•2	-0					l	162	162		}
70/ 69 68/ 67				•0		•6	-6	8.	.3	.3							<u> </u>	206	206	1	<u> </u>
66/ 65.			1 .	.0	.3	• 8 • 9	•6 •9	.6 .5	•2	.1	.2							256	256	5 23	1
64/ 63		.0	•1		1.2	1.6		.7	.2	• 1							<del> </del>	495	495	50	<del>                                     </del>
62/ 61:		.0.	.5	.7		1.0	.8	.5	.2	.0	•0							377	377	141	1
60/ 59		.1		1.7	1.5	1.0	•7		•2	_ • •		—-¦					<del>}</del>	484	484	297	19
58/ 57	. 1	.6	1.5	1.9		.9	. 6	.2	• -		]							521	521	425	45
56/ 53	.0				1.4	• 9	. 4	• 1	_		<del></del>						<del>                                     </del>	655	655	531	125
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52/ 51	. 3				.6	• 4	•1										i	577	577	846	484
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48/ 47	-,5		1.8	.7	• 2	• Z		l										493	493	974	762
46/ 45	7	3.2	2.2	• 6	.2			]									1	519	519	770	1246
44/ 43	. 4			.4	.0													282	282	539	907
42/ 41	.2			. 2	0												<u> </u>	179	179	362	557
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28/ 27		• ì			I	l		l									l	4	*	7	.130
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Dry Bulb	<u> </u>			<b></b> -		+									10/	∸⊢'	, , , F.	- 50 F	≥ 93.1	-	. 0.41
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Dew Point				بــــــ					<del>-  </del>		<del></del>							<del></del>	+		

\$6-70,73-77

TAC FOLM 0.26-5 (OLA) HIVISTO FILLINGUS TONIONS OF THIS FOLM ALL DESCRIPTIONS

DATA PROCESSING RRANCH USAF ETAC AIR HEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

34050 RAMSTEIN AB DL 66-70,73-77

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PAGE 2

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MOURS (C. S. T.)

TOTAL

TOTAL

Temp.	WE I BULB TEMPERATURE DEPRESSION (F)  0   1 - 2   3 - 4   5 - 6   7 - 8   9 - 10   11 - 12   13 - 14   15 - 16   17 - 16   19 - 20   21 - 22   23 - 24   25 - 26   27 - 28   29 - 30   ≥ 31												TOTAL							
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	7 - 30′ ≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poi
20/ 19 OTAL	3.2	21.7	21.7	14.5	0.0	9.3	7.1	4.9	3.1	, ,	1.4	•6	.1	-1				7440		7440
J. AL		- 1 • '	1 2 2 4	7.0/	.0.0		***	7,07	201	204	107	• • •	• 1	<del>  •</del> • •	<del>-•</del> ~ -		7440	<u> </u>	7440	
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34050 RAHSTEIN AB DL 06-70,73-77

STATION STATION NAME

PAGE 1 0000-0200

HOURS (L. S. T.)

Temp.						WET	BULB 1	FEMPER	ATURI	E DEPRE	SSION	(F)						TOTAL		TOTAL	
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AFETAC 1914 0.26.5 (OL A) INVIDENTALLE INTONE OF THIS FOLK

DATA PROCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

2085455

#### **PSYCHROMETRIC SUMMARY**

34030 RAMSTEIN AB DL 56-70,73-77 JŲ₩ 0300-0500 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 28 29 - 30 - 31 D.B.W.B. Dry Bulb Wet Bulb Dew Point 1-2 3-4 5-6 74/ 73. 70/ 69. 2 63/ 57 51 5 18 18 06/ 65 64/ 63 62/ 61 1.8 .9 .7 1.1 1.7 1.6 31 31 10 41 41 2.0 2.4 1.3 .6 4.2 3.3 2.0 1.3 6.2 3.3 2.4 57 91 607 59 57 39, 24 63 <sup>1</sup> 58/ 57 91 32 56/ 55 123 123 93 62 103 54/ 53 .6 5.0 2.8 831 83 97 107 52/ 51 1.6 4.2 2.2 72 72 108 50/ 49 89 108 100 1.4: 6.4 2.0 95 48/ 47 .9, 5.0 1.0 • 1 64 54 90 1.9 6.7 2.7 105 74 137 46/ 45 105 44/ 43. 1.2 2.2 .3 40 75 71 40 34 42/ 41 23 23 .3 1.3 38 40/ 39: .0; 1.5; 34 34 30 40 13 Ž9 38/ 37 13 27 36, 35 .2 15 34/ 33 3 32/ 31 30/ 29 28/ 27 ő 26/ 25 24/ 23 22/ 21 11.678.725.812.4 1.3 900 TOTAL 900 900 Ne. Obs. Element (X) 7 Mean No. of Hours with Temperature 85.210.469 52.1 6.913 76699 6634913 900 ± 32 F 267 F = 73 F 280 F 293 E Dry Bulb 900 90 2483955 46871 90 2263604 44762 49.7 6.445 900 Wet Bulb 42881 47.6 6.945 900 90

3.1

9 0.26.5

DATA PROCESSING GRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34050 RAMSTEIN AS DL 66-7,1,73-77 JUN

STATION NAME

PAGE 1 0000-0800

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DATA PROCESSING RRANCH
USAF ETAC
AIR REATHER SERVICE/MAC

34056 RAMSTEIN AP DL

STATION NAME
STATION NAME

## PSYCHROMETRIC SUMMARY

PAGE 1 5900-1100

Temp.								EMPER									TOTAL		DIAL	
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USAFETAC FORM 0.26-5 (OL. A) MYSTEP M

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DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 34050 RAMSTEIN AB DL STATION NAME JUN 06-7.,,73-77 0900-1100 PAGE 2 HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1.2 3.4 5.6 7.8 0.16 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.25 29.30 21.1 5.3 15.1 20.9 18.6 15.7 12.6 5.5 2.7 1.3 .6 .3 .4 .4 .1 D.B. W.B. Dry Bulb Wet Bulb Dew Point 599 TOTAL 899 899 899 th. nt (X) ₹ No. Obs. Mean No. of Hours with Temperature 50741 63,114,582 58178 64,7 7,891 3772193 3820852 267 F 273 F 280 F 293 F 34.7 14.2 3.0 899 ± 0 F ≠ 32 F 899 " Bulb 90 51219 57.0 5.725 2947553 et Bulb 899 Dew Point 2389957 45965 399

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DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 34050 RAMSTEIN AP DL STATION NAME 26-70,73-77 PAGE 1 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 13 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B. W.B. Dry Bulb Wet Bulb Des Point 96/ 95 94/ 93 92/ 91 8 •2 90/ 89 88/ 87 · Ĭ • 1 9 86/ 85 84/ 83 82/ 81 16 15 41 41 43 30/ 79 43 78/ 77 76/ 75 53 53 • 0 • 0 64 74/ 73 77 77 71 72/ 1.1 1.9 72 72 70/ 69 61 61 68/ 67 61 33 1.1 61 59 66/ 65 • 8 59 3 52 64/ 63 2.2 96 96 100 1.7 62/ 61 .7 49 49 35 1.1 108 50 60/ 59 1.0 1.6 56 104 30 58/ 57 46 46 72 1.6 .2 107 35 35 100 56/ 55 96 54/ 53 17 17 83 133 52/ 51 10 10 75 75 50/ 49 45 48/ 47 21 89 103 46/ 45 36 44/ 43 10 37 42/ 41 40/ 39 38/ 37 36/ 34/ 33 32/ 31 30/ 29 Element (X) Mean No. of Hours with Temperature Rel. Hum. ≥ 47 F = 73 F = 80 F = 93 F ± 0 F \* 32 F Dry Bulb Wet Bulb

PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC 34050 RAMSTEIN AB DL STATION NAME JUN 66-70,73-77 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 28/ 27 26/ 25 900 900 TOTAL .8 5.2 5.9 9.414.214.414.714.9 9.8 >.8 1.7 1.3 900 900 g Element (X) No. Obs. Mean No. of Hours with Temperature 2891269 4335735 54.415.946 Rel. Hum. 48953 900 ≥67 F = 73 F = 80 F = 93 F 68.8 9.030 900 32.6 90 61937 52.0 11.0 Dry Bulb 90 900 Wet Bulb 3082253 52411 58.2 5.789

900

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DATA PROCESSING BRANCH

DATA PROCESSING BRANCH
USAF ETAC
AIR MEATHER SERVICE/MAC

34.050

RAMSTEIN AB DL

STATION NAME

#### **PSYCHROMETRIC SUMMARY**

PAGE 1 1500-1700
HOURS (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 (F) D.B. W.B. Dry Bulb Wet Bulb Dew Point 98/ 97 96/ 95 4 5 4 5 . 3 94/ 93 +2 •1 92/ 91 8 8 •4 90/ 69 5 88/ 87 5 5 20 86/ 85 •6 20 29 29 84/ 83 . 8 82/ 81 32 32 .8 1.8 45 2.0 80/ 79 .2 45 787 77 • 7 .6 67 67 1.4 2.0 2.3 • 4 76/ 75 2.2 . 2 68 68 74/ 73 64 64 1.4 1.4 60 72/ 71 60 70/ 69 1.8 67 67 11 .8 68/ 67 2.1 .2 72 72 38 .3 1.1 1.6 66/ 65 1.2 2.1 1.9 1.0 1.3 83 82 85 1.9 73 17 64/ 63 .9 1.0 1.3 1.4 73 109 . 8. 62/ 61 41 41 117 18 .9 1.2 60/ 59 .8 49 49 118 42 .6 1.6 58/ 57 44 44 58 1.6 • 3 •6 115 56/ 55 • 1 32 32 83 **79** 1.1 1.1 54/ 53 10 10 97 152 • Z • 1 100 52/ 51 6 6 58 108 50/ 49 29 48/ 47 86 46/ 45 3 10 92 •3 44/ 43 ŝ5 28 42/ 41 40/ 39 Žl 38/ 37 6 36/ 35 34/ 33 327 31 Σχż Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≘± 0 F ⊴ 32 F Dry Bulb We Bulb

JUL 64 0.26-5 (OL A) REVISED PREVIO

SAFLTAC FOLM 0.2

RAMSTEIN AB DL STATION NAME JUN 66-70,73-77 PAGE 2 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B.-W.B. Dry Bulb Wer Bulb Dew Poin WET BULB TEMPERATURE DEPRESSION (F) TOTAL 30/ 29 28/ 27 .7 4.3 5.8 9.811.012.215.014.011.2 7.0 4.0 1.9 900 TOTAL • 8 900 900

No. Obs.

900

900

900

900

±0 F

≤ 32 F

52.416.308 70.0 9.217 58.6 5.438

45357 50.4 6.500

47128

62968

52713

**PSYCHROMETRIC SUMMARY** 

Mean No. of Hours with Temperature

55.5

4.9

≥67 F ≥ 73 F ≥ 80 F ≥ 93 F

90

90

90

TAC FOLM 0.26-5 (OL A) revisto revisious toitions of this folm are

Element (X)

Rel. Hum.

Dry Bulb

Wer Bulb

Dew Point

2706908

4481896 3113981

2323825

DATA PROCESSING PRANCH USAF ETAC

AIR WEATHER SERVICE/MAC

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

34050 RAMSTEIN AB DL STATION HAME

<u>06-70,73-77</u>

JUN

PAGE 1

1800-2000

Temp.										DEFRE								TOTAL		TOTAL	,
(F)	_0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 25	27 - 28	29 - 30	≥ 3:	D.B. W.B.	Dry Bulb	Wer Bulb	Dew P
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2/ 91				!	1	1								•4	.1		1	5	5		
70/ 89		<u> </u>										• 1	• 6	• 1			<u> </u>	7	7		
38/ 87		l i		ĺ	l	i				_		-1	• 2				j	3	3		
6/ 85		!				i				.2	•1	•2					<u> </u>	5	5		<u> </u>
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32/ 81							•2		. 9	1.3	٠2						<u> </u>	25	25		
0/ 79					_	•1	+ 1	•9	1.4	•4	• 1	•1			İ		1	29	29		
8/ 77		!!			•2	<u>•3</u>	•7	1.7	1.7	.2	<u>• l</u>						<u> </u>	44	44		<u> </u>
76/ 75				,	• 1	• 2	2.2	1.0	•6	.2							ļ	44	44		•
4/ 73		ļ		•1	. 8		2.0	1.3	.9	•1		• 1					!	62	62		
2/ 71				• 2		1.0	1.2	2.0	•4	• 1	-1	• 1					l	56	<b>50</b>	_	
0/ 69		<u> </u>	• 2	•6	.9	2.7	Lo.L	1.9	•1	<u>. 1</u>	.1						<b>-</b>	69	69	7	<b> </b> -
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6/ 65	<del></del> ;	.4	1.2	1.6		2.7	•7	•1		•1							<del> </del> -	131	131		- 2
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ew Point						. 1									1					.1	-

FETAC FORM 0.26.5 (OL A) REVISED MENOUS EDITIONS OF THIS

USAFETAC FORM 0.26-5 (OLA) tensto menous tollions of line folk are obsolete

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# PSYCHROMETRIC SUMMARY

34050 RAMSTEIN AR DL 66-7:373-77

YEARS

PAGE 2 1800-2000

HOURS (L. S. T.)

Temp. WET BULB TEMPERATURE DEPRESSION (F)

(F) 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 231 D.B.-W.B. Dry Bulb Wet Bulb Dew Poin 28 / 27

(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	<u> 29 - 30</u>	× 31	U.B. W.B.	Dry Bulb	Wer Bulb	Dew Po
28/ 27 · 26/ 25 ·																			_		2
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el. Hum.			3694		529			16.7			00	. = 0 1	F T	32 F	##on #		73 F	≥ 80 F	≥ 93	F	Total
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ew Point			8694		456		50.8	6.50	56		00		$\neg \vdash$	1.4			<del></del>	<del>                                     </del>	1		9

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 34050 RAMSTEIN AR DL STATION NAME

# PSYCHROMETRIC SUMMARY

66-7<u>0</u>,73-77 2100-2300 HOURS (L. S. T.) PAGE 1

(F) 36/ 85/ 84/ 83/ 82/ 81/ 80/ 79/ 78/ 77/ 76/ 75/ 74/ 73/	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18			23 - 24	25 - 26	27 - 28 29 -	30, ≥ 31	D.B. W.B.		Wet Bulb	Dew Point
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72/ 71		,	• 1	.1	. 2			1			1	Ì	]	- 1			14	14		i
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56/ 55	. 3		3.1	2.4	.9	• 3						[					85	85	119	117
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TOTAL	2.7	26.7	23.9	74.7	12.1	6,2	2.0	1.0	.1	1	.3	•2					<u> </u>	900		900
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Element (X)		£X;		İ	ZX	<del>'                                     </del>	₹			No. Ob				L	Mean No. (	of Hours wit	h Tempero	ure		
Rel. Hum.			2154	T .	676		75.1	13.4	46	9(	0	± 0 F	-	32 F.	≥ 67. F	≥ 73 F	20 F	≥ 93 7		Total
Dry Bulb			2561		533		59.3	6.7	86	7(	00:		<b>—</b>	100	10.4	3.3	<b>—</b>		$\neg$	90
Wet Bulb		271	7280		491			5.5		.9(	)O		$\neg \vdash$	-	• 5		1	T-	1-	90
Dew Point			3874		458			5.3		9(	10			1.1						- 30

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC 66-76,73-77 JUN RAMSTEIN AR OL STATION NAME PAGE 1 ALL HCURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1. 2 1 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | 23 | D.B. W.B. Dry Buib Wet Buib Dew Poin 4 98/ 97 96/ 95 8 ô 12 12 94/ 93 •0 •1 92/ 91 • 0 •2 .1: 24 24 19 19 90/ 89 .0 • 1 .2 •0 88/ 87: 131 13 .01 40 86/ 85 .2 40 • 2 • 2 59 59 84/ 83 82/ 81 107 107 .2 •0 80/ 79 139 139 .1 78/ • 21 183 183 77. .1 -1 • 1 •0 232 232 76/ 75 • 3 •0 . 3 74/ 73 • 6 •1 •1 267 267 . 9 . 8 .0 +0 267 267 72/ 71 322 70/ 69 • 2 .6 •0 3221 491 -1 .5 1.3; 1.1 328 328 114 68/ 67 •0 .0 ·9i ... 430 430 17 1.5 1.3 304 66/ 65: -1 752 752: 483 .1. 1.8 1.4 3.0 110 1.8 ٤. .0 64/ 63: 1.1 .1 178 .9 1.8 2.1 1.2 487 487 614 62/ 61 .0 299 579 579 711 60/ 59 2.0 617 617 895 479 2.5 58/ 57 2.8 2.1 • l . Ō 781 56/ 55 54/ 53 597 597 789 2.6 2.3 . 4 421 421 747 949 541 2.1 1.8 • 1 317 317 723 791 1.9 1.7 52/ 51 .5 .5 2.5 ,3 1.8 1.0 300 300 590 760 50/ 49 , Q 200 200 431 732 48/ 47 259 867 • 3 46/ 45 2.1 • 7 254 254 91 91 211 453 44/ 43 ন 229 55 42/ 41 40/ 39 55 120 • ತ 45 45 66 174 .3 . 1 104 1.7 .0 17 43 38/ 37 •1 •1 77 36/ 35 34/ 33 2 Ō .0 26 52 56 32/ 31 Mean No. of Hours with Temperature Element (X) ± 0 F ≤ 32 F

Dry Bulb Wet Bulb

Dew Point

G S

DATA PROCESSING FRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR REATHER SERVICE/MAC RANSTEIN AR DL STATION HAME 66-70.73-77 NUL PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 D.B. W.B. Dry Bulb Wer Bulb Dew Poin 30/ 29 28/ 27 26/ 25 35 31 13 24/ 23. 3.522.217.416.610.3 8.4 7.2 5.9 3.8 2.2 7195 7198 7198 Σx1 Element (X) No. Obs. Mean No. of Hours with Temperature 36596937 27999845 495393 7198 7198 20F 232F 267.F 273F 250F 293F 202.5 110.7 3.4 2.4 58.818.646 Rel. Hum. Total 442977 61.510.128 720 Dry Bulb 395830 55.0 6.613 359937 50.0 6.718 7198 1.1 15.6 Wet Bulb 22082078 720 720 18323549 7198 Dew Point

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 34050 RAMSTEIN AR DL STATION NAME 66-70,73-77 PAGE 1 0000-0200 HOURS (1. 5. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B. W.B. Dry Bulb 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 21 78/ 77 .1 76/ 75 74/ 73 72/ 71 9 9 -11 • 5 • 7 70/ 69 .2 1.0 • 2 16 10 21 68/ 67 . 8 21 20 66/ 65 .5. 1.2: 1.2 .21 12 78 <sup>‡</sup> 64/ 63 2.1 3.4 2.9 78 26 .4 79 62/ 61 2.1. 3.6 2.9 50 60/ 57 58/ 57 .2 5.6 6.3 2.4 124 124 69 .21 .2 6.4 2.7 2.0 123: 121 1.0, 6.4 4.9 2.1 56/ 55 121 136 54/ 53 67 57 117 4.2 3.2 52/ 51 50/ 49 .6. 3.3 1.5 46 40 92 33 33 48/ 47 .4 3.0 69 •0 46/ 45 •4: 1•1 •4 •1 •1 •4 15 75 31 5 5 7 44/ 43 42/ 41 2 3 40/ 39 37 38/ 36/ 35 34/ 33 342 TOTAL 3.839.534.815.9 4.0 1.4 842 842

No. Obs.

842

842

842

842

=0F

≤ 32 F

69026 82.0 9.891

45625

48261 57.3 5.780

43557 51.7 5-156

54.2 4,988

15

22

42

75

109

115

112

104

90

102

542

93

Mean No. of Hours with Temperature

267 F = 73 F = 80 F = 93 F

33

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Element (X)

5740930

2796569

2493183

2275575

Rel. Hum.

Dry Bulb

Wet Bulb

110 ---

DATA PROCESSING PRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR HEATHER SERVICE/MAC 34050 RANSTEIN AP DL STATION HAME 06-70,73-77 PAGE 1 0300-0500 40545 IL. 5, 7,1 WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) TOTAL TOTAL D.S. W.B. Dry Buib Wet Bulb Dew Point 0 , 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 .2 .1 79/ 69 • Z 68/ 67 10, 10 .7 1.2 .9 1: 1.7 1.6 3.0 66/ 65 Zō į 20 64/ 63 62/ 61 •5 61 9 9 61 .2 1.4 2.3 1.7 TO **7**I 51 34 60/ 59 .3 3.612.9 .8 67 28 67 50 58/ 57 .5 5.4 3.4 1.9 97 97 44 91 56/ 55 1.5 6.3 4.8 3.0 134 134 109 33 54/ 53 1.0, 6.6 6.3 1.3 Tis 131 171 108 .6 4.9 3.6 76 130 52/ 51 70 69 50/ 49 1.2 5.4 2.7 79 79 117 112 48/ 47 51 , 6, 5.0 51 95 105 46/ 45: 1.7 4.0 71 63 144 . 8 44/ 43 10 10 52 . 2 27 .2 •1; 21  $\overline{11}$ 40/ 39 . 2 3 11 38/ 37 36/ 35 2 34/ 33 32/ 31 TOTAL 8.000.629.713.4 1.4 .5 250 558 858 858 ₹ ₫ 0.26.5 FORM JUL 64 Element (X) No. Obs. Mean No. of Hours with Temperature 72455 Rei. Hum. 6193687 84.4 9.363 558 10F # 32 F ≥67.F = 73 F = 80 F = 93 F 2618240 47148 55.0 5.655 858 1.7 93 Dry Bulb

858

858

93

93

2372283

2188803

Wet Bulb

Dew Point

44905

43105

52.3 5.078

50.2 5.209

DATA PROCESSING RRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR MEATHER SERVICE/MAC RAMSTEIN AR OL 66-74,73-77 JVL STATION NAME PAGE 1 00a0−00∂0 +0₹\*5 it. 5. 1.7 WET BULB TEMPERATURE DEPRESSION (F) TOTAL ! D.B. W.B. Dry Bulb Wat Bulb Dem Poir (F) 1 - 2 3 - 4 5 - 5 7 - 8 9 - 10 11 - 12 13 - 14 15 - 15 17 18 19 - 20 21 - 22 23 - 24 25 26 27 - 25 29 - 50 31 82/ 81 78/ 77 76/ 75 .1 3 3 5 <del>ک</del> • > i e H 74/ 73 72/ 71 70/ 69 6 •11 .1 .3 10 10 .1 .5 1.0 .1: 17 17 ٠Ž 68/ 67 .7: .7: 1.0 24 24 3 66/ 65 .7: 1.4: 2.3: 43 43 .5 141 .2 2.7 3.9 5.9 119 119 13 37 • 3 .1 1.6; 4.0; 2.4; .2; 3.0; 5.5; 2.7 62/ 61 .7 78 78 25 .1 63 102 51 60/ 59 102 51 58/ 57 .6: 5.3. 4.8. Z.1 113 113 ŠÒ .0 5.3 3.0 2.4 103 56/ 55 103 110 123 96 .6 3.5 5.4 1.6 131 54/ 53 96 116 52/ 51 .5: 2.5: 3.2: .1 55 55 98 123 50/ 49 76 45 45 .2 3.9 .9 98 48/ 47. .2 2.1 20 20 691 105 20 114 20 19 46/ 45 .6, 1.7 44/ 43 •1 • 3 12 31 3 11 42/ 41: 3 40/ 39 Z 38/ 37 2 32/ 31 3.933.124.021.0 4.7 2.0 867 867 867 867 Element (X) Zz ZX . 🕱 No. Obs. Mean No. of Hours with Temperature 5666538 2967553 69484 80.110.631 58.2 6.169 857 Rel. Hum. 2 0 F ≤ 32 F ±67 F = 73 F = 80 F +93 F 867 93 50441 7.1 Dry Bols 1.01 93 47370 54.6 5.062 Wet Bolb 2610328 867 Dew Paint 2355066 44972 51.9 5.078 867 93

JSAFETAC FORM 0.26-5 (OL.A) 1 vitte retrous formers of twis folk and ossibilities

DATA PRUCESSING RANCH USAF ETAC AIR WEATHER SERVICE/MAC

STATES STATES	
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7 70 0	
Ş	10.44
FETAC	

055	RAHSTEIN AP DL	<u>6-70,73-7</u>			JUL
\$*** :*	STATION NAME		TAIS	PAGE 1	<del></del>
					~0.45 t. 5. ₹.
Temp.		LB TEMPERATURE DEPRESSION (F)		TOTAL	TATAL
	0 1-2 3-4 5-6 7-8 9-10 11	- 12/13 - 14 15 - 16 17   19 19 - 20 21 - 2	12 73 - 24 25 - 26 27 - 78 29 - 30 · 31	D.B. V.S. D., 8.3	i, #et Bulb,De- Pi
4/ 93 2/ 91	-	•		2 2	
0/ 89		.2 .1 .		<del>- 6: -6</del>	<del></del>
0/ 67 G/ 87			1	6 4	9
6/ 87 6/ 85		.1 .2 .			
6/ 83 .		.5 .3 .2; .1;	1	12 12	
2/81.	.1 .1			29 24	
0/ 79	.Ž .3;	.2, 1.3 .6, .1	1	24 24	
87 77	.5 1.0	.9: .7: .2: .1: .1:	* * * * * * * * * * * * * * * * * * * *	31 31	
6/ 75		.7 1.0	s page	42 42	: .
4/ 73	.5. 1.0. Z.3	.6 .5 .1		52 52	
2, 71	.1 .3 2.8 3.5		- **	71 72	
0/ 69	-1 -5 1-2 2-4 2-5	.9 .2 .1	<del></del>	67 67	7 23
8/ 67	.1 .6 1.2 3.7 1.7	.5: .1		71 71	
6/ 65	.3, 1.7 4.0, Z.1; 3.2;	.31 .11		94 94	1 691
4/ 63	.9 2.1. 4.0, 3.3. 2.0.	·3 ·1 : , ,		111 111	112
2/ 61	.1 .2 2.2 2.0 1.6 .1	.1! .1		56: 56	116:
0/59	1.2 2.2 2.1 1.8 .1	•11		65 65	116
8/ 57	.2. 1.4, 1.2, 3.5, .3:		4	57 57	112 10
6/ 55.	.3: 1-0, 2.3, 1.7	7 F G G G G G G G G G G G G G G G G G G		47 47	99 14
4/ 53	.1: .6: 1.3: .2:		Date of the control o	19 19	73 1
2/ 51		e i di	Indipense	3 3	
0/ 49			The second secon	]	30
8/ 47:			the state of	1	1 1 7
5/ 45,		- dissipation of the state of t		T i	
4/ 43			Taller Street	1 1	He-Harding .
2/ 41;	The season of th	Approximation and the second s	1	1	9 16 .
0/ 39;			District State of Sta	<u> </u>	
8/ 37	reference with them the control of t		AND		Hidelinin statement of the statement of
6/ 35	2 2 17 4 200 400 400 400 400 400 400 400 400 4		<u> </u>	1	<del>                                     </del>
TAL	.8 0.174.320.920.916.8	103 303 606 103 106 6	o • o • 2	867	867
	T I I I I I I I I I I I I I I I I I I I			1 1	The extra
-zent (X)	Ta man	Ta Nã. Obs.	Maer No of Hours wi	<u> </u>	
I. Hum.			0 F   = 32 F   +67 F   +73 F	: +80 F   +93	F   Tetal
y Bulb		·17.205 867	44.5 21.9		
t Bulb		.3 3.092 867	8.0		
	2551977 46815 5	.0 5.279 867	1.0	<del>i                                    </del>	*
			<del></del>		تتبيبان

DATA PROCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

34050 RAMS EIN AR DL 56-70,73-77

STATION STATION AME

9AGE 1 1200-1400
HOURS (L. S. T.)

Temp.								TEMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 • 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.		Wet Bulb	Dew Point
96/ 95														• 3	• 3	•5		10	10		
94/ 93					لــــــا	'	<u> </u>						.6		.5	.2		11	11		
92/ 91					$\Gamma = I$	1	i '					• 1	•1			• 1		3	3	_	
90/ 89										.1	•1	•2			- 1			5	- 5		
86. 57	i				1 1	1 .	•2		.3	.2	ر.	• 2	• 3					17	17	!	_
86/ 85					لــ ــا	•1	!	1 -1	.3	. 8	.9	.3						23	23	l	
84/ 83	-		1		( )	l '	• 2		1.2	.9	.5	•1	, 3	i				32	32	ļ	
82/81					ـــــا	<u> </u>	.6	.9	2.0		.9	•1	•1		<b> </b>			51	51		
80/ 79	į				( J	• 1	1.2				• 2	• 1		( I				53	53	. !	[
78/ 77					• 1	.9				.3	•1				<b>  </b>			47	47	2	
76/ 75	į			_	.9				.7									70	70	1	.
74/ 73				• 5	.9	.7		1.7	.3		L							58	58	3	
72/ 71	i			•6	1.0						[ ]	1 1					[	71	71	12	2
70/ 69			• 3		1.4			.5	.5									62	62	32	
68/ 67	İ	• 1		•2	1.5				•1		'	!			1 1			55	55	71	3
66/ 65	!	• 1		1.8	1.3	1.7						<b></b>						60	60	99	6_
64/ 63	• 1			2.3	2.8	2.6			1		( 1	1 1			( I			91	91	94	35
62/61		• 6						<b></b> '					ĹI				L	62	62	123	45
60/ 59	-1	• Ó	1.3	1.2			1 '	1	l	1		i			1 1	, ,	(	43	43	120	59
58/ 57	.2	<u>• i</u>	.8	1.2		<b></b>	<u></u> '	<u></u> '		<b> </b> _								25	25	105	106
56/ 55		•7	. 3	• 2	1 1	(	<b>i</b> '	1 1	1	į !		. !			1 1		( )	11	11	71	116
54/ 53	.1	• 3				<u> </u>	<b></b> '	<u> </u>	<u> </u>	<b></b>	L			<u> </u>				7	7	87	115
52/ 51	.		• 1		1 '	1	'	1 '					l !				l '	1 1	1	33	108
50 49			<u> </u>		<b></b> '	<b></b> '	<b></b> '	<b></b> '	<u> </u>											14	75
48/47	i				[ '			1 '											1	1	68
45/ 45					<u>'</u>		<u></u> '	<u> </u>	<u> </u>		<u> </u>				!						91
44/ 43	i						[ '			Γ !				[ ·	[ [			[			23
42/ 41				<u> </u>	<u> </u> '			<u></u> '							<u> </u>						8
40/ 39				1	['			Γ <sup></sup> '											I		4
38/ 37					<u>                                      </u>	<u> </u>		<u> </u>						<u>                                     </u>				<u> </u>			2
36/ 35																					1
TOTAL	.6	2.8	7.0	9.4	15.1	14.3	16.9	12.7	8.5	4.6	3.2	1.3	1.5	•3	.9	.8			868		858
										Γ –					Γ			868		808	
- <u>-</u>					<u> </u>		'ـــيـــــــــــــــــــــــــــــــــ	<u></u>	<u> </u>						لبيا		L	لحجا			
Element (X)		Σχ.	4894		2 x 475	74-	X EL U	- ×		No. Ob								h Temperat			
Rel. Hum.			3656		620		77 4	9.0	133		68 68	± 0 1		≤ 32 F	2 67 60 e		73 F 40•7	- 80 F	≥ 93 F		Total 93
Dry Bulb					525											•		17.2	2.	<u> </u>	93
Wet Bulb Dew Point	<b></b>		5380 9788		462			5.2			68				13.		•6	<del> </del>			93
Dew Point		240	7/00	<u> </u>	40%	37]	2302	202	73		08					6	•1			ــــــــــــــــــــــــــــــــــــــ	- 7.5

IAC 1004 0.26-5 (OLA) tensep memous ebitions of this fold aff olds left

DATA PROCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34050 RAMSTEIN AR DL STATION N

6<u>6-76,73-77</u>

JUL

PAGE 1

1500-1700 HOURS (L. S. T.)

Temp.	·					WET	BULB	TEMPER	RATURE	DEPRI	SSION (	F)						TOTAL	T	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 . 22	23 . 24	25 - 26	27 28	20 20	≥ 31	D.B. W.B.	Day Bulk		0 0
00/ 99		i	1	i					1	<del>-</del>	<u> </u>			1-0-10	127 20	27-30				1 441 0010	Dew Pa
98/ 97		1	1	!			l			1	]			1		.2	1 .3	5	5	1	1
16/ 95			1	I		<del>                                     </del>			<del> </del>	<del> </del>				<del> </del>		•5				<del>  </del>	<del>                                     </del>
94/ 93	•	!	1	1			1		<u> </u>				•2	1		.3	1 .1	1	5		l
92/ 91		i	<del></del>	!		<b> </b>			<del> </del>	<del> </del> -	.2		•5	•2	• 1	• 5		6 9	9	<u> </u>	<del> </del>
90/ 89		!	ļ	] .			1			.5	.3		•5	• 2	• 1		1			l	İ
88/ 87			1		i		<del> </del>		.1	<u>. ਬ</u>	.8	•6	•2		• 1			17	17		!
86/ 85			1	1		•2		٠.	.6	1.0	1.6		• 4				1	22	22		
84/ 83			<del>                                     </del>		•1			.2	1.3	1.3	.9	•6		ļ.,		ļ	<b>Ļ</b>	42	42		<u> </u>
32/ 51			į		٠.		• 1	.7	1.3	1.2	1.2	• 2		• 1			1	42	42		
10/ 79			ī				• 6	2.3	1.6	.8		• 2		• 1			<u> </u>	41	41		<u> </u>
78/ 77			1		• ì	• 3	1.5	2.3	1.7	.6	•5						l	50	50		
76/ 75			1	-1	• 3	1.5	1.6	2.3	<u></u>	• • •	• 1						<u> </u>	59	59		
74/ 73			1	.2	.2	1.3	2.5	2.2	8			1						59	59	3	
72/ 71				.3	•9	2.5	2.8	2.1	1.4	.3							<u> </u>	63	63	2	<u> </u>
70/ 69			. 3	.1	.3	1.0		1.5	.1			l						90	90	14	į i
8/ 67		•1		• 0	2.1	•0	1.7	.6	• •									50	50	29	
6/ 65		•1		1.6	. 8	1.3	9	.1				ļ						54	54	78	
4/ 63	. 1	• 8	1.0	2.8	2.3	2.2	1.0	<b></b> ⁴-¦										53	53	105	
2/ 61	•	. 2		. 3	1.6	.7	1.0	1				!			l		1	89	89	120	31
0/ 59		7		1.5	1.0	1												34	34	118	3
8/ 57	ĺ	. 2		1.4	1.0	ļ	- 1	I	- 1		j		J		1			34	34	120	8
6/ 55		- +5		• 2														22	22	92	8
4/ 53	l	••	. 8	•-	l	1	- 1	İ	1		- 1	- 1	j		- 1			12	12	77	11
2/ 51	.1		• •	∤														7	7	66	12
0/ 49	• • •			!	1	- 1	1	I	i		- 1		- 1	i	1			1	1	41	7
8/ 47																				3	11.
6/ 45	1			l	- 1	-		l	ļ	Ì				1							8
4/ 43			<del>  </del>																l		8
2/ 41	l						İ	1	1		l	l			1						21
0/ 39																					
8/ 37	l			j		l	l	1	1		- 1	1		T							
6/ 35																	_		- 1		
ا دو رب	I			1	1	1		1			i	İ									
ment (X)	!	Σχ²			<del>,</del>	<del></del> -	X	- J		No. Ob:					14						
I. Hum.							~	^_	_		-	± 0 F		22 E T				Temperatu	7	<del></del>	
y Bulb												201	+-3	32 F	≥ 67 1		73 F	≥ 80 F	≥ 93 F		otal
r Bulb																			ļ		
						!					1		1	- 1		1	1		1	1 '	

1.64 0.26-5 (OLA) REVISED MEVIOUS EDITIONS OF THIS FORM ARE DISOLETE

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DATA PRUCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC RAMSTEIN AR DL 66-76,73-77 MONTH PAGE 2 1500-1700 HOJRS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL 0 . 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 × 31 C B-W.B. Dry Bulb Wet Bulb Dew Poin ·2: 2.e 7.4 9.2 9.9 1.0 5.1 4.5 9.9 /.0 5.6 2.9 1.4 .5 .3 1.0 368 868 863 ਹੁ Element (X) Σχ² No. Obs. Mean No. of Hours with Temperature 45491 52,415,660 63189 72.8 9,367 52867 60.9 5,035 46106 53,1 5,482 267 F 273 F 280 F 293 F 60.0 45.2 22.7 1.5 2596757 868 Kel. Hum. 10F ≤ 32 F 93 4676045 Dry Bulb 865 3241935 2475092 863 93 Wer Bulb 13.5 868 Dew Point

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DATA PROCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

34030 RAMSTEIN AP DL STATION NAME

3174060 4265297

3133113 2490604

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

50692 58.525.579 60331 69.6 8.803 51932 59.9 5.094 46226 53.3 5.476

#### PSYCHROMETRIC SUMMARY

≥67 F = 73 F = 80 F = 93 F

10.1

3141104				2,	ALION N	ME								VE.	AKS				MON	ITH
																	PAGE	1	HOURS IL	·200
Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION (	F)				····	TOTAL		TOTAL	
(F) <sup>†</sup>	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30 2 3		Dry Bulb	Wet Bulb	Dew F
8/ 97		1	i						i	I – –			1			.1	1	1		
6/ 95		!	į.				I E		l	į					•1	.2	3	3		
14/ 93		ī					<u> </u>		<del>}</del>	<del>                                     </del>	<del></del>		<del></del>			. 3	3		<del></del> -	
2/ 91		į							1						.1	-	1	1		
70/ 89		1		,			i ——		<b> </b>	1	<del>                                     </del>	•2	. 8	l i	.2		12	12	<del>                                     </del>	
8/ 87			•						.1	.5	.7		.2	!	1	.1	16	16		
6/ 85		1	•••				i	1.	.5	.3	•5	•1					13	13	<del> </del>	
4/ 83		:					•1	.2	.7	.7	.2	•1	.1		-	1	19	19	l i	
18 \St		1		1		•1	•5			1.0	•5	•5		<del></del>			42	42		
10/ 79			:	!		•7	.6	1.4	1.2		.2	•1			ļ	I	39	39	i	
18/ 77		1	<del></del>	[	•5	٠B		2.2	.9	•2	<del>                                     </del>				$\overline{}$		47	47	1	_
16/ 75			•		• 5	• 9	2.2			.2				. 1	Į	į	52	52		i
14/ 73		Ţ <u> </u>		.7	+3	1.0		.9		• 2	<u> </u>		i –				59	59		$\overline{}$
2/ 71			1 1	.5	1.0	1.7		9							1	I T	63	63	11	Į
70/ 59		• 1			1.6	3.7	1.4		•5								79	79	28	
8/ 57		<u> </u>	.7	•6	1.6	1.7	1.4	.7			l				!		58	58	55	ı
6/ 65		5			1.7	2.2		,1	i		T						78	78	77	
4/ 63		3	2.0		3.6	2.5	.3	.2	l						_ [	l	94	94	113	4
2/61		•0		1.5	1.6	.7	•1		Ĭ	 	Ī						54	54	122	,
0/ 59		.6					<u> </u>		<u> </u>				]	[I		l	48	48	116	
8/ 57	• 1				• 2	• 1	1			i							45	45	104	<u> </u>
6/ 55		.9						<u> </u>		<u> </u>	<u> </u>		<u> </u>				21	21	95	1
54/ 53		.6		•2			İ	ı	l		l	İ	l			1	16	16	78	1
2/ 51		.2					<u> </u>		<u> </u>	L	<u> </u>	<u> </u>		<u> </u>			3	3	47	10
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8/ 47			<u> </u>	<u> </u>			<u> </u>		<u> </u>	<u> </u>	<u> </u>		<b> </b>						1	
6/ 45		i					l		1				1			-				
4/ 43		1	<u> </u>				<u> </u>		<u> </u>		<u> </u>		<b>Ļ</b>						<b>  </b>	- 1
42/ 41		1		l			1	İ	ļ		1		Ì							ĺ
0/ 39		<del></del>	<u> </u>				<u> </u>	<u> </u>	<del> </del>		<u> </u>			<u> </u>					<b> </b>	
38/ 77				12 -		1 <b>7</b> A			-g n	ļ., ,	e				_	.		867		86
DTAL	• !	5.1	11.0	14.5	1406	T 1 60	13.1	10.0	2.0	3.1	201	1.03	1.6	<b>  </b>	+5	-8	1 10 4	967	867	6
		I	l					1									867		00/	
lement (X)		Σx¹	<u> </u>		z x	<del></del>	X	<del></del>	<del> </del>	No. Ol	1						with Temperat		لـــــــــــــــــــــــــــــــــــــ	
lement (A)			1540		# X	<del></del>	X E3 E			40. VE	***				Mean N	o. or nours	MITH TEMPEROT	ure		

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66-76,73-77

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

RAMSTEIN AB DL STATION NAME

## PSYCHROMETRIC SUMMARY

JUL

	<del></del>																				HOURS (	L. S
Temp (F)	F	0	1 - 2	3 - 4	5 - 6	7 - 8			EMPER					22 2	25 - 26	27 20	20 20	. 21	D.B. W.B.	See Built	TOTAL	Daw P
36/ 8	85		1.2	3.4	3.0	7.8	7.10	11 - 12	13 - 14	13 - 10	•1	19 - 20	•1	23 - 24	23 - 20	21 - 20	29 - 30	7 231	2	2	W#7 5016	DEW !
34/											.2	.1	•		İ				3	3		
	81							•1		.2		•1		<del> </del>	<del> </del> -	<u> </u>		<del></del>	4	4		_
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8/						•2	• 1	•1	.4	•2					1	<del>                                     </del>		<del>                                     </del>	9	9		
6/	75	_				•6	• 5	.4			.1				ļ			l	13	13		
4/	73				.7	8.	•5	•5	• 4					<u> </u>	1	Γ		Ī	24	24		i
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	69			1.3	1.5	1.2	1.7		. 1							[			49	49	7	
8/ (			• 2		1.4		• 8	• 1							<u> </u>	<u> </u>		<u> </u>	52	52	16	
	65		1.4			1.2	•4	• 1											67	67	44	ļ .
4/ (	:	.4	2.7		5.4		• 7								<del> </del>	<u> </u>	<u> </u>	<del> </del>	143	143	61	
	61		1.9			•6	• 4							1	1	1	! 	1	78	78	102	
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8/ ; 6/ ;		'n	3.5												į			l	69	69	149 103	1
4/		• 4	2.0			• 4							<del> </del>	<del> </del> -	<del></del>	<del>                                      </del>	<del> </del> -	<b>├</b> ──	37	57	80	14
2/			1.9		•1									İ	1			I	31	31	91	i
	49	•1	9	.7	**								├	├─	╁┷	<del> </del>	├	+	15	15	60	-
8/		• •	ì	.1									l			1		1	2	2	16	6
6/		• 2												-	╫──	<del>                                     </del>		╁──	4	4	7	
4/	43	• -											1		İ				! !		2	
2/														<del>                                     </del>	1-	<u>                                     </u>	<del>                                     </del>	1	$\vdash$			
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66-76,73-77

DATA PROCESSING BRANCH USAF ETAC AIR WEATPER SERVICE/MAC

RAMSTEIN AB DL

STATION NAME

#### PSYCHROMETRIC SUMMARY

JUL

PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 100/ 99 98/ 97 7 ٠Ű 6 •0 96/ 95 18 18 •1 •0 21 94/ 93 . 1 21 92/ 91 90/ 89 •0 15 15 .0 .1 •0 •0 • 0 40 40 • 1 • 2 •0 .0 88/ 87 .1 •0 59 59 .3 •1 86 86 86/ 85 •0 •0 84/ 83 .2 • 2 •1 •0 108 105 82/ 81 .0 •0 .7 .0 163 163 .0 • 2 • 1 •3 80/ 79 ·I 172 172 • 2 • 3 .0 • 6 197 197 78/ 77 • 4 . 8 •6 . 2 2 761 75 1.1 242 242 4 • 4 • 0 •1 74/ 73 . 8 266 266 1.3 . 2 .0 6 343 72/ 71 •9 1.3 .0 .0 343 5 70/ 69 • 5 .4 . 1 348 348 119 .6 1.5 . 8 345 68/ 67 ٠Ó • 8 • 3 <u>.0</u> 345 271 15 •Ś . 1 450 450 425 50 66/ 65 1.5 2.0 1.0 1.0 786 786 572 221 64/ 63 1.4 2.7 3.5 .0 492 492 728 263 62/ 61 1.1 2.6 1.7 1.2 . 1 59 588 588 439 607 2.3 3.2 781 1.9 1.0 •0 541 541 905 58/ 57 2.9 2.2 2.2 670 813 518 518 902 56/ 55 3.0 2.0 1.5 •0 427 707 53 2.2 3.0 427 990 621 237 237 847 52/ 51 1.4 1.7 699 186 186 50/ 49 1.7 .7 .0 434 679 48/ 47 106 106 253 • 1 1.3 46/ 45 .9 . 1 90 90 120 746 44/ 43 19 19 202 .0 . 2 - 1 48 8 8 42/ 41 68 39 37 .0 38 40/ 38/ 16 36/ 35 Ħ 34/ 33 Σχż No. Obs. Element (X) Mean No. of Hours with Temperature ≥ 73 F ≥ 80 F Rel. Hum. ≥ 93 F Total ±0F ⊴ 32 F Dry Bulb Wet Bulb Dew Paint

26-70,73-77

FORM 0.26-5 (OL A) RENSED REVIOUS EDITIONS OF

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC RAMSTEIN AR DL STATION HAME 56-70,73-77 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 3 1 | D.B., W.B. Dry Bulb Wet Bulb Dew Point Temp. (F) 32/ 31 2.419.571.315.010.3 8.8 7.2 5.6 3.5 2.2 1.6 . 8 •6 IDTAL 0.26.5 (OL A) Element (X) No. Obs. ≤ 32 F Rel. Hum. 10F

PSYCHROMETRIC SUMMARY

JUL MONTH PAGE 2 ALL HOURS (L. S. T.)

6884 6884 6884 5684 Mean No. of Hours with Temperature 474241 68.917.805 442093 54.2 2.979 34852677 29076757 6854 267 F = 73 F = 80 F = 93 F 262 - 7 150 - 8 64 - 1 5 - 1 Total 744 6884 Dry Bulb 744 48.2 1.3 Wet Bulb

22925414 19291429 395160 57.4 5.932 362491 52.7 5.440 6884 6884 Dew Point

64 0.26-5 (OL A) BEVISED REVIOUS EDITIONS OF THIS FOLK. ARE OLUCITEE

DATA PROCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

34050 RAMSTEIN AR DL STATION HAME

## PSYCHROMETRIC SUMMARY

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Temp.						WET	BULB	TEMPERA	TURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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66-57,69-70,73-77

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SEPVICE/MAC

## PSYCHROMETRIC SUMMARY

34050 RAMSTEIN AP DL 66-76,73-77

STATION STATION NAME

PAGE 1 0300-0500
HOURS (C. S. T.)

Temp.		0 1-2 3-4 5-6 7-8								DEPRE								TOTAL		TOTAL	
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DATA PRUCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC RAMSTEIN AR DE AUG 56-76,73-77 VEARS MONTH PAGE 1 0660-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Buls Dew Point (F) 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 21 76/ 75 · 74/ 73 · •1 1 72/ 71 • 1 • Li 8 9 70/ 69 68/ 67 10 10 •1 25 66/ 65 25 15 64/ 63. .4: 2.9 2.9: 2.7 80 80 21 .6 3.3 4.7 2.5 96 96 25 62/ 61: 1.1, 5.7, 5.4, 1.1, 607 59 117 117 51 63 58/ 57 1.9 6.7 4.6 119 119 85 132 55. 1.4 5.7 4.0 1.2 2.1 4.2 3.9 .2 104 104 104 133 56/ 54/ 53 89 88 115 132 52/ 51, 1.9 2.7 1.3 50 121 50 96 49 €5 50/ 49 .8 3.7 1.3 49 79 48/ 47, 1.2 2.5 1.5 2.5 - 2 33 33 7ช 50 46/ 45 35 35 84 37 44/ 43 .1 1.4 13 13, 16 23 .6 42/ 41 8 3 15 15 4 12 38/ 37 1 4 36/ 35 TOTAL 13.643.230.2 9.5 2.9 848 **648** 848 848 Element (X) Zx No. Obs. Mean No. of Hours with Temperature 6315686 72696 85.7 9.942 Rel, Hum. 848 ± 0 F ± 32 F ≥67 F ≥ 73 F ≥ 80 F - 93 F 2740279 47939 56.5 5.971 848 2.7 Dry Bulb 93 2503345 45861 54.1 5.225 848 Wet Bulb 2331088 44240 52.2 5.222 848 Dew Point

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DATA PROCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC 34050 RAMSTEIN AR DL STATION NAME 06-70,73-77

## PSYCHROMETRIC SUMMARY

PAGE 1

0900-1100

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(F) [	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	) ≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
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70/ 69		:	1.1	.4	2.9	2.1	.8	.1	.1	i					•	Ì	1	64	64	16	1
68/ 67		-	1.4	2.6	4.5	1.2	•2	.1		1	<u>                                     </u>						<del>                                     </del>	85	85	42	
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Wer Bulb			7683		507		59.8				49					•5					9
Dew Paint		261	0689		469	11	55.3	4.6	90	a	49					•1					9

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

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Temp.						WET	BULB 7	EMPER	ATURE	DEPRE	SSION (	F)					TOTAL		TOTAL	
íF)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 ≥ 31	D.S. W.B.	Ory Buis;	Wet Bulb;	De- Po
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72/ 71		. 1	-1.	. 1	2.6	- 1	1.4	1.4	.2				i		Ĭ		72	72	10	
70/ 69				1.9	2.0	3.7	1.5	- 4	•1					<del>i</del>	<del></del>	-	351	85	38	
68/ 67			9			1.7	1.1	.1		: }		i	1		1		59	59	56	
06/ 65		. 4,		3.4	2.4	1.4	1.2	.1	<del></del> -	<del></del>	'						291	29	90	
64/ 63		1.3		2.8	1.9	1.1	.2			1	1				į	Ī	82	82	133	5
52/ 61.	٠2	.2	1.5	.9	1.4	1.1	• 1		:	<del></del>			<del>- i</del>				47	47	167	6
60/ 59	• l,		1.4	. 3					•		Ì		)	1		Ì	31	31	141	7
587 57		• 0	• 5		+2					<u> </u>	<u> </u>		Ī		Ī	Ī	111	11	101	10
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54/ 53										i									42	12
52/ 51		.1	!						<u> </u>	<u></u>	<u>i</u>					[	1 !	1	15	ē
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46/ 45													1	TOTO NEW				Į		-4
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62/ 41 60/ 39									l	ĺ			Ī							
TAL ,	2	2 7	0 1	12 2	15 6	15.2	12 2	10 1	7.8	-	1.9	7.5	•9			<del> </del>	<del>!</del>	848		84
uiar	د. ه	301	3.1	18.0	טינו	ر ۽ را	1300	10.1	دِه ۽	0.1	l r • š	# <b>!</b> !	• 7	•1	1	I	848	040	849	יט
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lement (X)		Z <sub>X</sub> ,			Σχ	Τ'	X	₹,		No. O					Mean No.	of Hours wit	th Temperatu	re .		
lel. Hum.		297	4149		485	11	57.2	15.3	28	. 8	48	. = 0 F	:	32 F	≥ 67 F	≥ 73 F	≥ 80 F	+ 93 F	7	Total
Dry Bulb			6248		605	72	71.4				48		$\perp$		63.5	39.8	15.5		I	9
Wet Bulb			0732		519		61.3				48				13.4					9
Dew Point	_	254	2624		462	20	54.5	5.2	58	8	48		[ -		.1	1	T	T		9

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

RAMSTEIN AP OL

STATION NAME

#### **PSYCHROMETRIC SUMMARY**

PAGE 1 1500-1700 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 + 31 D.P. W.B. Dry Bulb Wet Bulb Dem Poin 98/ 97 1 96/ 95 94/ 93 T; •1 • 1 92/ 91 .4 6 90/ 89 •7 11 TI 88/ 87 .9 .5 13 18 85/ 85 .1. .6 •1 29 29 •1 .5 26 2ò 84/ 83 2 1.2 . 2 82/ 81 1.3 1.2 .8 1.9 2.1 .1 65 58 .21 .6 1.8 1.3 <u>,</u>,2 80/ 79 51 51 .9 .1 .4 1.2 2.5 .7 .6 1.3 2.0 2.2 .9 78/ 77 1.2 52; 52; 76/ 75 54 .4 64 .6: 1.3 Z.1 Z.6 Z.Z 32 HZ : 72/ 71 .4 3.1 2.1 3.3 1.4 93! 93 291 70/ 69 ·6: ·9 2.6 3.4 1.2 711 71 73 68/ 67 .5' 1.2 2.9 2.1 1.2 73 667 65 .2| .9| 1.8| .6| 1.3| 1.4| 3.1| 2.5| 2.0| 2.2| 46 <del>93</del> . 5 46 •9: 103 64/ 63 103 i 143 50 62/ 61 .5 ΖQ 20 158 35 .2 1.1 60/ 59 18 95 .9 .4 18 lo7 58/ 57 . 2 11 M 78 115 . 6 •1 1Ž0 56/ 55 • 1 2 2 42 103 54/ 53 . 1 36 52/ 51 113 12 -1 ग 50/ 49 48/ 47 **Š**7 41 15 44/ 43 42/ 41 8 40/ 39 TOTAL 11 4-1 6-9 3-213-515-414-812-0 7-4 5-9 5-7 2-5 2-2 349 649 849 849 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 46328 54.6 5.686 849 =67 F = 73 F = 80 F = 93 F 2736652 20 F 232 F 44.9 Dry Bulb 61733 72.7 7.791 849 20.5 3233820 52274 61.6 4.240 849 93 Wet Bulb 12.6 93 46071 54.3 5.281 2523693 849 Dew Point

06-7u,73-77

FORM 0.26-5 (OLA) IINSED MEYBOUS EDITIONS OF IME FORM AN

-1977

AFETAC FORM COLL CO.

DATA PROCESSING PRANCH USAF ETAC PSYCHROMETRIC SUMMARY. AIR MEATHER SERVICE/MAC 56-70,73-77 RAMSTEIN AS DE 406 PASE 1 1905-5000 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 18 19 - 20 21 22 23 - 24 25 26 27 - 28 29 - 30 + 21 D.B. W.B. D-y Buib Wet Buib, De- Point 92/ 91 •1: 90/ 89 2 •1: 88/ 87 • 2 10 86/ 85 10 94/ 83 •1! 16 14 • 2 .5 •1: 19. 19 82/ 81 .4 .1 37 80/ 79 .0 1.2 37 . 0 ·Z •7 46 78/ 77 .8: 1.5, 1.2 ٠Ó 45 76/ 75 -5 1.2. 1.5 38 381 74/ 73 .6; 1.2, 1.5; 1.6; 1.4 60 60 72/ 71 .2: .9 2.5 1.9 2.0 75 75: 70/ 69 68/ 67 78 1.1 1.8 2.2 2.2 1.1 78 .2 1.4 1.1 3.7 1.8 731 39: .0 66/ 65 .5 1.4 4.7 1.8 1.3 90 89 74 13 ٠Ó 3.2 2.2 5.1 2.2 1.2 13 41 64/ 63 131 125 62/ 61 1.2 2.6 2.4 .9 64 64 133 63 ٠5, 60/ 59 .1 1.5 1.8 1.9 54 51 175 27 58/ 57 .9 1.1 .7 27 131 106 56/ 55 .9 15 140 • 5 ·1: ·1; 15 64 7 54/ 53 127 .4 • 5. 52/ 51 •1 25 δl 1 74 1 50/ 49 -1; 1 48/ 47. 41 .1 46/ 45 36 44/ 43 22 42/ 41 12 849 843 1.1, 9.3, 3.4, 9.2, 6.3, 2.1, 9.3, 6.4, 4.8, 2.7, 1.6, 1.2 TOTAL 849 849 0 No. Obs. Element (X) 54093 3676673 53.716.476 849 Red. Hom. :0F :32F 267 F | 273 F | 280 F | 293 F 4012024 58035 68.4 7.246 Dry Bulb 849 50.3 25.3 アゴ 3094201 31125 00.2 4.284 849 43 Wet Bulb 6.6 46372 93

54.6 5.238

849

Dew Point

DATA PRUCESSING PRANCH USAF ETAC AIR REATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

34050 RAMSTEIN AR DL 66-70,73-77

STATION

PAGE 1 2100-2300
HOURS (C. S. T.)

Temp.											SSION (							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	e 31	D.B. W.B.	Dry Bulb	Wer Bulb	Dew Point
80/ 79								. 1		<u> </u>							1	1	1		
78/ 77						• 1	İ	.3		1						!		3	3		
76/ 75				•1	• 3		• 1		.1								1	5	5		
74/ 73			.1	.1	.4	1	.1			į							1	6	6		
72/ 71			.1	. 3	• 4	• 6	,3											13	13		
70/ 69			.6	• 6	1.5	• 4	.1			)	•	ľ		]			1	24	24	2	
68/ 67		• 5	2.3	2.5	2.7	δ•	• 1	.1	i	Ī								73	73	7	1
66/ 65	. 1	1.3	4.1	3.7	1.3	• 8	.4		ĺ	l		ļ					İ	91	91	24	9
64/ 63	1.5	3.7	4.2	4.7	.9		•1		1—									119	119	9.0	41
62/ 61	• 1	2.4	4.6	2.8	•9	• 1											l	85	86	85	36
60/ 59	• 5	5.0	6.5	1.9	.3	•1				1		I						112	112	120	68
58/ 57	. 9			1.1					<u> </u>		<u></u>							80	80	157	92
56/ 55	• 9	5.1	2.9	1.3	• 1				Ī						i		i	ó1	81	112	
54/ 53	1.0	2.7	2.3	.4														_50	50	89	
52/ 51	• 5	2.3	.3	i			Ī					Ì						24	24	69	87
50/ 49		.9	.5	ļ			<u> </u>	L	<u> </u>	<u></u>			<u></u> _		l	L	<u> </u>	11	11	33	84
48/ 47		8.	• 1	I														7	7	14	38
46/ 45		. 1	<u> </u>	<u> </u>				l _	! !	<u> </u>	L						<u> </u>	1	1	6	27
44/ 43		1	ļ	İ	1		-		1		İ	1	ļ	!		ì	ł			1	14
42/41		<u> </u>	<u>                                     </u>				<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>					<u> </u>	<u> </u>		<u> </u>	3
TOTAL	5,6	29.0	32.4	19.5	8.4	2.9	1.3	.5	.1	1	l	ļ	İ	(	Į	İ	1		787		787
		<u> </u>		<u></u>			<u> </u>	·	<u> </u>	<u> </u>	<u> </u>		L		<u> </u>			787	<u> </u>	787	
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Element (X)		Σχ²	<u></u>	┼	ZX	<u> </u>	X	· ·	1	No. O	bs.	L	L	<u> </u>	Mean	No. of H	ours wit	h Tempera	ture		<del></del>
Rel. Hum			2908		626	96		11.7			87		F	≤ 32 F	≥ 67		: 73 Г	≥ 80 F	≥ 93	F	Total
Dry Bulb		295	5325	1	480	35	61.0	5.4	66		87				14		1.8	1	1		93
Wet Bulb	_		3877		450			4.4		7	8.7				T	•1			1	$\neg$	93
Dew Point			1101		428			4.7			87					•1			1		93

CATA PROCESSING PRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR REATHER SERVICE/MAC STATION RAMSTEIN AB DL ΔUG 34050 66-70×73-77 STATION NAME MONTH PAGE 1 ΔLL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | (F) D.B. W.B. Dry Bulb ≥ 31 Wet Bulb Dew Point 98/ 97 1 96/ 95 . 0 94/ 43 •0 •0 92/ 91 9 9 • 0 .0 • 1 • Ü 90/ 89 •1 21 21 • 2 88/ 87 .1 36 35 86/ 85 • 1 •0 •0 65 54 .3 84/ 83 •0 .2 74 74 .0 82/ 81 .3 •0 148 148 . 3 . 5 80/ 79 • 0 167 167 193 78/ 193 76/ 75 204 204 .0 •5 .0 265 74/ 73 • 6 , ů .2 265 .2 313 72/ 71 . 2 1.3 313 1.1 338 70/ 69 . C . 8 1.4 1.5 ٠ō 338 101 68/ 67 .9 394 394 2.2 1.0 216 1.9 66/ 65 488 488 55 2.5 .6 364 64/ 63 2.8 3.3 3.4 .7 813 813 616 **Z7**8 .3 1.8 2.9 845 62/ 61 1.8 527 527 312 • 8 ڌ • 595 3.5 3.4 984 60/ 59 . 4 596 570 58/ 57 3.4 493 493 968 803 2.4 56/ 55 .9 3.1 443 716 975 ..0 4,43 54/ 53 1.0 324 324 1.9 1.3 1024 215 769 52/ 51 . 8 215 451 1.6 644 50/ 49 1.8 183 183 284 48/ 47 121 122 197 1.3 . 2 461 .5 1.0 46/ 45 .0 105 105 124 400 164 34 34 44/ 43 . 1 63 15 78 42/ 41 15 31 40/ 39 .0 9 39 6 0.26.5 38/ 37 12 36/ 35 6.523.721.013.240.1 7.4 5.1 4.0 2.9 2.2 1.2 6596 6594 TUTAL •8 FORM PIL 64 6594 6594 Element (X) Σ¥ No. Obs. Mean No. of Hours with Temperature 36954299 478747 267 F 273 F 280 F 293 F 251.3 133.4 4d.2 72.618.249 6594 ± 0 F ≤ 32 F Total 6596 27346763 420197 63.7 9.363 744 Dry Bulb 22228594 361018 57,8 5.676 6594

Wet Bulb

19181487

353937

53.7 5,273

6594

7

744

744

39.5

1.0

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

34050 RAMSTEIN AB DL 66-74,73-77 SEP

STATION STATION NAME PAGE 1 0000-02

1 0000-0200

72/ 71 ;	0 1																	TOTAL		TOTAL	
72/ 71		1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Buib	Dew Poin
	í			ı	-1				1									1	1		
70/ 69.	i			• 2			•1			i								3	3		
68/ 67	į			•2	• 4	• 2												7	7		
65/ 65			•0		•1	• 4	<u> </u>		, 								<u> </u>	9	9		
64/ 63					• 1					ı								19	13	7	1
62/61;	-1		1.1						 								_	29	29	12	5
60/ 59			3.5	1.3					į									71	71	21	18
58/ 57	.7	4.8	1.7	. 8	•6		<u>i , , , , , , , , , , , , , , , , , , ,</u>			<u> </u>								72	72	64	30
56/ 55	1.7		1.9		(		( !											84	84	86	68
54/ 53	2.3	6.3	2.3		<u> </u>									! !				99	98	99	85
52/ 51.	3.5	4.2	1.0		ĺ												1	UC	80	118	98
50/ 49	2.5		1.3	<u> </u>	<u>.                                    </u>				<u> </u>	]								88	88	94	109
48/ 47	2.5		. 4						i									71	71	193	94
	3.7	5.6	• 8		İ	<u> </u>			<u> </u>									85	85	78	134
44/ 43		3.3	•5														1	43	43	54	61
42/ 41	1.3	2.4			! !				<u></u>	<u> </u>								51	31	41	53
40/ 39		2.0			I													28	28	24	34
38/ 37	1.3	• 5	• 5		<u> </u>													19	19	28	26
36/ 35	- 1	• I			1													2	2	7	18
34/ 33					<u> </u>				<u> </u>			]		<u> </u>			<u> </u>	<u> </u>		4	
32/ 31					ì					i											4
30/ 29					<u> </u>	<u></u> _			<u> </u>					L _					<u> </u>		2
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DTAL	22.3	51.1	17.1	6.3	2.0	•6	1 .1		<u> </u>	l							<u> </u>		840		840
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l						ļ													l		
Element (X)		Z <sub>X</sub> 2	L		ZX	<del></del>	X	<b>₽</b> <sub>X</sub>	<del>!</del>	No. OL				<u> </u>	Mass 1	10 01 11	Aure = 14	h Tempera	tura.		ــــــــــــــــــــــــــــــــــــــ
Rel. Hum.			7430		<del>- ^</del> 743	14	88.5				40	± 0 1	F T .	32 F	± 67		73 F	> 80 F	= 93	-	Total
Dry Bulb			6681		433		51.6	6.7	08		40		-			. 2	- / / /	1	+ - "		90
Wet Bulb			9000		417		49.8				40		$\neg \vdash$			-		<del>                                     </del>	<del>                                     </del>	_	90
Dew Point			0089		404		48.2				40		$\dashv$	•7		-		<del> </del>	<del>- </del>	_	90

DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/ 1C

34050 RAHSTETA DL STATION NAME

## PSYCHROMETRIC SUMMARY

SEP 66-70,73-77

0300-0500 HOURS (L. S. T.) PAGE 1

Temp.							BULB 1											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30	× 31	D.B. W.B.	Dry Bulo	Wei Bulb	Dew Point
68/ 67			. 1		• 1	•1												3	3		
66/ 65			<u> Ó</u>	.1	.1	ļ	_		1 !	İ								7	7		
64/ 63	, ,	.3		.5				_	i						<u>-</u>			8	8	3	
62/61	. 2		1.7		.0	l L			L	į	!							30	30	8	В
60/ 59	• 1,		2.5	1.1	l	Ĭ	1		1									53	53	12	4
58/ 57			1.4	8	<u> </u>				! !	!			_					69	69	61	27
56/ 55			2.7		1	1			i	i								88	88	72	55
54/ 53	2.3	4.8	1.5	. 8	1					į								82	82	96	80
52/ 51	3.3	4.0	1.7		i	ĺ	1											79	79	104	102
	4.8								<u></u>	<u> </u>								98	98	112	124
48/ 47		4.5			l	ĺ			ĺ	1								88	80	106	97
46/ 45		4.7		<u>.                                    </u>	<u>.</u>	[			<u> </u>									87	87	80	131
44/ 43		3.9	t	i .	1		į		!	-								68	68	71	64
42/41	1.7			<u> </u>	<u>i</u>				<u> </u>	i				li	<u>l</u> _			31	31	55	53
40/ 39	1.4			1					1	į	ĺ				į			29	5.5	25	47
38/ 37		1.7			L	<u>L</u>			<u></u>									25	25	30	26
36/ 35		1.1		l	ĺ	Ì	1		l	İ	İ				i			28	28	29	26
34/ 33	. 5				!	L	<u> </u>		<u> </u>	<u>L</u>	1							6	Ó	14	26
32/ 31		•1	1	I	1					1			_					1	1	2	1
30/ 29			!	<u> </u>		L			L	<u> </u>											6
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TOTAL	31.4	45.7	10.5	5.1	1.2	• 1			<u>L</u>	<u> </u>	<u> </u>								880		\$80
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Rel. Hum.	<b> </b>		0876		793		90.Z	9,4	43		80	± 0 F	<u>'   '</u>	s 32 F	≥ 67 F		73 F	≥ 80 F	≥ 93 I	<u> </u>	Total
Dry Bulb			6342		440		50,0				80.	~		• 1		3		ļ			50
Wet Bulb	ļ		4537		426	75	48.5	6.3	14	8	28			.2		ᆚ		L			90
Dew Point	1	199	1978	١.	415	00	47.2	6.2	99	8	80		- 1	1.0		1	_	l		1	90

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

34050 RAMSTEIN AR DL 66+74,73-77 SEP

STATION STATION NAME YEARS MYTH

PAGE 1 0600-0800

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70/ 69			3 - 4	.1	1.8	9.10	11 - 12	13 - 14	13 - 10	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 2	8 29	30	2 31	1	1	1 461 5016	DEW POINT
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56/ 55			3.0			├	-	├	┼──	<del>!</del>	<del> </del> -	<b></b>	<del>                                      </del>		<del>i —</del>	<del></del>	<del></del> -		90	90	93	
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44/ 43	1.9			, ,		1	1		1	Į.	l		:	i	1		I	,	36	36	37	
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Rel. Hum.			5689		805	83	89.5				00			± 32 F	_	67 F	* Hou		<del>,</del>	* 93		Total
Dry Bulb			1810		454	94	50.5	0.0	144		00	₹ 0	<del>-  -</del>	± 32 F		•1		J F	> 80 F	+ 2 43	<del>-  -</del>	<del>'''''</del> 90
Wet Bulb			9480		440		48.9				00					• 4			<del> </del>	<del></del>	<del></del>	90
Dew Point			6567		427		47.5				00			1.5			├		<del> </del>			90
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AFETAC FORM 0.26-5 (OLA) EINSID MENOUS EDITIONS OF THIS FORM ARE DESCRETE

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

34050 RAMSTEIN AB DL 66-70,73-77 SEP

STATION STATION NAME VEARS

PAGE 1 0900-1100

HOURS (L. S. T.)

Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	). ≥ 31	D.B. W.B.	Dry Bulb	Wet Belb	Dew Point
82/ 81								.1										1	1		
80/ 79			<u> </u>			•1	•1							<u> </u>				2	2		
78/ 77						• 1	•1	.1										3	3		-
76/ 75	<u> </u>	<u> </u>	ļ			•4									;   			4	4		
74/ 73				_	• 7	• 4	• 3	_				ļ						13	13	( 1	
72/ 71	<del> </del> -		ļ	• 2	1.2	• 2	.4	.2			:							21	21		
70/ 69	•		.3	•9	. 9	1.3					Į.				ļ			31 32	31 32	1 1	
68/ 67	<del> </del>	.1	2.0	2.8	1.4	7	•4			<u> </u>								65	65	18	
64/ 63	.1		3.0	4.2		.9						ļ			!			111	111	39	1
62/ 61	. 2			1.9	1.7	• 2	• 1					<del></del>						78	78	60	28
60/ 59		2.4		2.9	1.4	• 1	7.4	.1							i i		!	109	109	104	55
58/ 57	•7				•3	• 1					<del></del>	·					1	110	110	124	81
56/ 55	.1	4.1		2.1	.1	• 2							į					95	95	111	86
54/ 53	1.1		2.3		• ८	•1						1					1	88	88	134	131
52/ 51	1.3	2.1	2.7							_								55	55	133	136
50/ 49	.3		1.4															35	35	67	127
48/ 47	. 3	1.4	.9															24	24	54	78
46/ 45	•3											I						19	19	30	86
44/ 43	• 1	.1													<u></u> .			2	2	18	46
42/ 41	• 1											1						1	1	2	20
40/ 39 38/ 37	-1	<del> </del>	<del> </del>								—-i				┝┷┷┼			-,		1	11
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TOTAL	5.3	24.0	99. H	21.7	11.2	5.6	1.9	.6				1							900		900
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Element (X)	<b> </b> -	ZX2	F100		ž <sub>X</sub>	33	77 0			No. Ob								Tempe:01			
Rel. Hum.	<del> </del>		5428 6765		693 531	24	<u> </u>	6.5	20		00	± 0 F	+-	32 F	2 67 1		≥ 73 F	≥ 80 F	* 93	<u></u>	Total 90
Dry Bulb Wet Bulb					493	30	7701 7701	5.1	02		00   00				10.		2.3	• ]			90
Dew Point	<del> </del> -		7234 3074		463			5.2			00		+-		•	5			+		<del>50</del>
Sew Loud	<u> </u>	747	2017		703		-103	206	7.1	.7	UU				<u></u>						•••

DATA PROCESSING PRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR HEATHER SERVICE/MAC RAMSTEIN AB DL STATION NAME 56-7<sub>02</sub>73-77 SLP PAGE 1 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20, 21-22 23-24 25-26 27-28 29-30 = 31 D.B. W.3. Dry Bulb Wet Bulb Dew Point 86/ 85 .3 10 10 84/ 83 82/ 81 .61 .21 10 10 • 1 80/ 79 .1 12 12 • 4 .6 . 8 78/ 77 , Ċ 20 20 - 1 •11 · 2: 1 .9 1.8 32 76/ 75 . 1 . l 32 73 74/ 2.2 1.7 2.6 •1 63 63 72/ 71 65 65 .4 1.1 2.7 2.3 .2 70/ 69 76 76 .8 2.2 3.3 . 0 68/ 67 .7 2.2 51 51 25 66/ 65 .9 2.7 2.3 1.7 1.6 1.3 98 98 • 2 56 .8 2.9 3.7 3.6 149 149 12 64/ 63 3.7 1.6 70 . 3 62/ 61 1.3 2.4 2.9 76 76 123 35 • 3 60/ 59 1.9 3.2 .7 2.2 80 80 73 • 3 . 3 125 .1 1.2 1.6 1.8 .1 1.2 1.3 .9 58/ 57 51 51 102 95 •Z • 1 • 7 .9 56/ 55 1.3 45 45 101 100 .2 1.0 54/ 53 - 8 24 24 137 120 19 103 52/ 51 1.9 19 71 • 1 75 50/ 49 ó 6 34 48/ 47 3 3 35 80 97 46/ 45 .6 . 1 44/ 43 39 35 42/ 41 40/ 39 13 38/ 37 10 8 34/ 33 1 8 7.313.517.220.517.813.0 6.0 2.6 1.1 599 899 TOTAL 899 899 Element (X) No. Obs. Mean No. of Hours with Temperature 56956 63.414.209 58544 65.1 7.305 Rel. Hum. 3789748 895 ±0F ⊴ 32 F =67 F = 73 F = 80 F = 93 F 90 Dry Bulb 3860374 899 34.2 15.0 51629 57.4 5.233 90 Wet Bulb 2989611 899 3.1

899

46468

51.7 5.985

A) REVISE MEYOUS FORTONS OF THIS FORM ARE OBSORTED

FOLM 0.26.5 (OL A) PENSED MENDOS FORDONS C

USAFETAC 1964 0.2

DATA PROCESSING ARANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR HEATHER SERVICE/HAC RAMSTEIN AF DL SEP 66-70,73-77 STATION NAME PAGE 1 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL I TOTAL D.B. W.B. Dry Bulb Wer Bulb Dew Point (F) 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | \* 31 88/ 27 •2 .1 10 10 66/ 85 34/ 83 • 1 .1 • 1 82/ 81 12 12 . 8 80/ 79 .11 15 18 1 78/ 77 76/ 75 20 20 ,9 . 3 • 1 56 1.0 1.0 2.3 .21 50 74/ 73 .7 1.8 2.3 .3 52 52 80 .1 .3 1.9 2.0 2.7 06 72/ 71: .Ò 63 70/ 69 1 .3 2.6 1.8 . 8 .3 63 82 68/ 67 1.0 2.3 3.0 1.4 82 35 106 104 .9 3.1 2.2 2.9 1.8 57 66/ 65 2.1 3.4 2.7 2.8 1.6 04/ 63 121 121 15 75 i 55 55 Ź3 62/ 61 .0 1.3 120 3.1 • 0 60/ 59 1.8 2.2 2.9 1.7 83 83 110 47 • 6 41 115 58/ 57 1.1 1.6 .3 41 129 . 7 • 3 • 0 30 56/ 55 30 117 104 •8 54/ 53: 28 121 . 8 28 128 104 1.1 1.0 23 23 52/ 51 51 5 5 99 50/ 49 48/ 47 77 33 4 4 • 2 • 1 9Đ 46/ 45 44/ 43 35 • 1 28 42/ 41 40/ 39 23 38/ 37 36/ 35 ₿ 8 TOTAL . 8 7.410.614.919.317.914.6 8.0 3.2 1.8 •7 900 900 0.26-5 (OL A) 900 900 10 EM No. Obs. Meon No. of Hours with Temperature Flement (X) 55236 59404 3583772 3973272 61.414.681 Rel. Hum. 900 ±0 F ± 32 F ≥67.F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb 900 40.3 3021648 51742 57.7 5.156 900 90 3.8 Wet Bulb

LECTION AND

Dew Point

2422599

46399

51.6 5.826

90

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

RAMSTEIN AS DL STATION NAME SEP 66-70,73-77 1800-2000 HOURS (L. S. T.) PAGE 1

Temp.						WET	BULB '	TEMPER	RATURE	DEPRESS	OH (F)						TOTAL		TOTAL	_
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8						- 20 21 - 2	2 23 - 2	24 25 - 26	27 - 28	9 - 30					Dew Por
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82/ 81 -						:		•					I		:		1.	1 !		1
80/ 79							.1	- 4	.1	<del></del> -	_+	<del>i -</del>	<del></del>	<del></del>			6	6.		
78/ 77						•1	1		!		1	1	l	: :	:		3.	3 :		-
75/ 75	<del></del> :				• 2				.1	i	:	+-		,			10	10		:
74/ 73.				. 2	• 7		ŧ.			-	-	1	•	i 1			21:	21		
72/ 71.					•9	• 4		1		<del></del>	<del></del>	+-	i	<del>1 i</del>			18:	Tai		
70/ 69			. 2	.9					:	İ		l		: !			41	41		
68/ 67,			1.0	1.7	1.8	- 4		:				<del>-</del>	<del></del> -	<del>!:</del>			44	44	11	<del></del>
66/ 65		. 2		2.7				:	Ì		į		-	•	į		60	60	18	
64/ 63				5.1					<del>                                     </del>	<del></del>		<del>i                                    </del>		<del></del>	<del></del>		. 118	118	<u>50</u>	
62/ 61.				1.8							ı	1		į ;	!		85	86	77	
60/ 59	-1	2.8	3.9	2.3	2.1	•2		<del></del>	i	<del></del>	_	<del>;                                    </del>	:	1 1			107	107	107	
58/ 57				3.2			:	THE STATE OF THE S			!	;		1			111	111	121	92
56/ 55				2.6			<u> </u>			<del></del>		Ī	1	1 ;			95	95	115	105
54/ 53				1.3				*	į .	. !	-	E		1 1			64	64	124	134
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50/ 49		1.6				! !	į	,			1	l			ļ		25	25	70	
48/ 47		2.3		i			-		1			1	Ti Ti	1			32	32	48	
46/ 45	- 1	.6				İ	į	Ī		İ	Į	ĺ	Į		ĺ		7	7	26	-
44/ 43.		.4		1			1	_			<u> </u>	1			$\neg \neg$		4	4	11	41
42/ 41	1	!		i		Į	ļ		1	1 1		I	l		i			1	4	ŽŽ
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OTAL	3.32	3.6	24.8	22.1	14.7	6.6	2.3	1.6	•3	$\Gamma$	•	.	1-	7 1	$\neg \neg$			900		900
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		!			L			<u> </u>				Щ.			I					<u> </u>
Element (X)		X2			Zχ		X	· **		No. Obs.				Mean No	of Ho	ers with	h Temperati	uf <b>e</b>		
Rel. Hum.			4061		675	09	75.0	13.3	50	900	) _ = (	F	= 32 F	≥ 67 1		73 F	- 80 F	≥ 93 F	I	Total
Dry Bulb		328	5480		540	30	60.0	6.8	25	900	)			14.	5	4.2	.6			90
Wet Bulb			9365		497	93	55.3	5.2	25	900				l.	1					90
Dew Point		7471	9403		464	04	51.7	E &	221	900	-			1			<del></del>	<del></del>		90

DATA PROCESSING PRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC RAMSTEIN AB OL STATION NAME 06-70,73-77 PAGE 1 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 26 27 - 28 29 - 30 21 D.B. W.B. Dry Bulb Wet Bulb Dew Point 72/ 71 • 1 15 15 70/ 69 68/ 67 . 5 . 2. •1 8 • 1 20 1.0 .3 20 1.7 2.0 2.2 2.1 1.9 2.2 10 64/63 59 59 56 62/ 61 • 1 56 12 .2 4.6 3.4 1.2 60/ 59 87 87 54 37 58/ 57 1.0 3.9 2.3 1.2 77 77 111 66 1.3 6.6 2.5 1.7 1.3 5.1 3.7 1.3 56/ 55 107 107 91 67 98 98 113 54/ 53 100 52/ 51 83 111 1.7 4.4 3.2 83 115 1.6 7.0 1.9 90 90 103 99 117 63 65 48/ 47 63 5.21 94 45/ 45 65 69 104 22 .2 2.0 70 44/ 43 22 43 <u>.</u>3 31 42/ 41 . 2 5 23 40/ 39 38/ 37 • 1 8 . 2 8 36/ 35 -1 34/ 33 32/ 31 11.148.625.411.5 2.3 862 862 862 862 ತ No. Obs. Mean Ho. of Hours with Temperature 852 247 F | 273 F | 280 F | 293 F Rel. Hum. 6354412 73486 85.310.206 # 0 F # 32 F 2597430 47006 34.5 6.296 862 Dry Bulb 90 Wet Bulb 2359090 44848 52.0 5.468 862

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DATA PROCESSING PRANCH

AIR WEATHER SERVICE/MAC

USAF ETAC

USAFETAC

FOEK 12. 64

Dew Point

PSYCHROMETRIC SUMMARY

720

RAHSTEIN AR DL SEP 34050 574-16N 56-70,73-77 STATION NAME MCNTH PAGE 1 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 28 29 - 30 231 D.B. W.B. Dry Builb Wet Builb Dew Point .01 68/ 87 .0 86/ 85 84/ 83 13 • 0 13 . 1 18 18 .1 .0 • 0 24 82/ 51 .0 .0 .0 38 80/ 79 38 .0 •1 .1 .0 .0 78/ 77. 75/ 75<sub>1</sub> .0 46 4ó .1 . 2 .0 1021 102 .2 .3 •3 · Ó -11 .1 149 74/ 73 149 72/ 71 70/ 69 10. 186 196 . 2 • 1 • 7 .0 230 230 .5 1.0 • 0: .1 1.0 •3 10 68/ 67 .2 227 227 .0 .3 .6 1.1 . 3 •2 •0 75 1.0 1.5 1.0 .0 366 66/ 65 366 . 2 151 .1. • ₿ 64/ 63 .8 1.9 2.6 1.4 .1 598 590 255 49 <u>•</u>1 62/ 61 1.2 1.6 1.4 437 139 437 444 • 3 .1 60/ 59 3.1 2.0 .0 661 661 554 315 1.1 •0 764 58/ 57 2.4 1.6 606 506 532 • 1 .d 3.8 2.5 1.4 1.3 3.9 2.0 1.1 55 56/ 654 634 786 **645** • 2 54/ 53 .0 597 597 919 876 835 52/ 51: 1.6 2.8 2.0 463 463 £57 433 846 50/ 49 • 7i 3.5 .0 ·33 614 367 728 48/ 47: 1.0 367 3.1 - 5 371 46/ 45 1.8 3.0 .0 371 385 875 184 275 421 184 . 2 44/ 43 . 8 L. 5 42/ 41 . 8 .1 104 104 163 **296** 85 Z01 40/ 39 85 86 • 6 - 2 38/ 37 66 66 87 111 50 91 35 50 55 36/ .3; • 3 19 19 57 34/ 33 . 2 41 .1 32/ 31 13 .0 •0 13 30/ 29 28/ .27 7081 12.432.019.513.2 9.1 6.2 4.1 2.0 .7 7081 TOTAL .2 .0 7081 7081 Element (X) No. Obs. Mean No. of Hours with Temperature 556752 ≥67 F | ≥73 F | ≥80 F | ≥93 F Rel. Hum. 45611416 78.610.104 7081 10F ± 32 F Total 720 405028 57.2 9.135 7081 ·4 105·3 40·0 Dry Bulb 23758154 53.1 6.616 49.9 6.120 20279965 376043 7081 720 •5 8.6

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

34050 RAMSTEIN AR DL

STATION HAVE

## PSYCHROMETRIC SUMMARY

55-73,73-77 JCT

PAGE 1 0000-0200 HOURS (L. S. T.)

68/ 67 66/ 65 .1 .1 .1 .1 60/ 65 .1 .1 .1 .1 60/ 65 .1 .1 .1 .1 60/ 65 .1 .1 .1 .1 60/ 65 .1 .1 .1 .1 60/ 65 .1 .1 .1 .1 60/ 65 .1 .1 .1 .1 60/ 65 .1 .1 .1 .1 60/ 65 .1 .1 .1 .1 60/ 69 .1 .1 .1 .1 60/ 59 .5 1.2 .1 60/ 59 .5 1.2 .1 60/ 59 .5 1.2 .1 60/ 59 .5 1.2 .1 60/ 59 .5 1.2 .1 60/ 55 .1 60/ 55 .1 60/ 50/ 50/ 50/ 50/ 50/ 50/ 50/ 50/ 50/ 5	Te-p.										SSION (F						TOTAL		TOTAL	
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DIM 0.76.5 (OL.A) RIVISIOMINOUS EDITIONS OF THIS FO

USAFETAC FORM 0.26.5 (OL A)

PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 + 31 D.B. W.B. Dry Bulb 3-4 5-6 64/ 63 .1 .3 1.0 02/ 61 60/ 59 58/ 57 .8 1.4; .Z. 1.9 .51 4.2 56/ 55 • 4 54/ 53 .3, 4.5 1.5 1.6 3.5 1.9 52/ 51 50/ 49 .0. 5.1 1.8. 48/ 47 | 1.9 4.2 1.0 3.810.0 1.3 140 44/ 43 1.5 4.9 42/ 41 1.5 4.1 40/ 39; 2.2 5.6 .6 38/ 37 3.3 3.3 36/ 35 1.3; 4.3 .9 1.7 34/ 33 32/ 31 .4: 1.4: 30/ 29 .5, 1.5 28/ 27 . 2 <u>.</u>3 26/ 25 24/ 23 22/ 21 23.361.573.4 1.3 TOTAL 930

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42044 45.2 8.091

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DATA PROCESSING PRANCH USAF ETAC

IR #EATHER SERVICE/MAC

RANSTEIN AR DL

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Rel. Hum.

Dry Bulb

Wet Bulb

10F

± 32 F

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Ne. Obs.

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56-70,73-77

PSYCHROMETRIC SUMMARY

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0300-0500 MOD#S (C. 5. 7.1

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DATA TRUCESSING PRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC RANSTEIN AF DL a6-70,73-77 0600-0500 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) Te-p. TOTAL D.B. W.B. Dry Bu's Wet Buls De- Peir 6 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-15 19-20 21-22 23-24 25-26 27-28 29-20 31 65/ 65 54/ 63 .1 .4 .8 1.5 02/ 61 Q 60/ 59 22 22 •4, 1.9 58/ 57 23 24 23 53 İ 56/ 55 .5 4.4 53 30 54/ 53 1.7 3.7 1.0. 71 ÓΩ 60 58 53 1.6 3.0, 1.4 55 52/ 51 57 56 50/ 49 .8 5.3 1.0 71 71 58 76 72 72 46/ 47 1.0 4.8: 1.2 30 45/ 45 3.3 8.9 2.4 130 T36 89 117 85 69 44/ 43 1.7, 0.6: .9 85 104 1.5' 5.3. .5 90 ರಿಕ 56 94 73 73 53 86 2.0 5.5 40/ 39 **68** [ 38/ 37 3.6 3.8 66 73 36/ 35 1.0 2.2 29 29 69 23 23 ! 30 42 34/ 33. .8 1.7 29 19 19 32/ 31 1.1 1.00 26 30/ 20 24 29 1.1, 1.7 26 26 25 28/ 27 1.3 17 17 19 13 25/ 25 9 24/ 23: 3 | 22/ 21 20/ 19 24.261.212.4 2.2 930 930 930 3 Š 0.26.5 No. Obs. Element (X) ZXi Mean No. of Hours with Temperature 90.0 7.578 930 7594451 83745 : 32 F. 930 Dry Sult 1943944 41852 43.0 3.011 7.0 1824784 930 40590 43.6 7.569 Wet Bell 7.9 19.3

DATA PRUCESSING FRANCH USAF ETAT AIR HEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

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STATION				57	TATION NA	ME							787	AS			PAGE	,	ەم -0900	
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Yet Bulb			3774		436	58	46.9	6.90	Š	9.0	+		1.5		∸}—	••	<del>                                     </del>	+		<del></del>
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DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC RAMSTEIN AR DL STATION HAME 56-76,73-77 ric T PAGE 1 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) D.B. W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 80/ 79 78/ 77 76/ 75 74/ 73 5 5 5 72/ 71 • 2 8 •1 • 3 • 1 70/ 69 16 16 68/ 67 66/ 65 1.2 1.2 23 23 • 6 7 27 64/ 63 62 1.0 3.4 62 13 62/ 61 2.8 1.8 1.3 58 58 .1 32 60/ 591 .5 2.3 1.9 68 68 1.9 45 58/ 57 3.1 1.4 QB 29 30 98 56/ 55 .3 2.4 2.5 3.4 98 89 76 . 2 95 97 3.7 2.8 .2 97 78 52/ 51 68 64 .3 1.4 3.0 1.0 68 102 1.0 • 0 75 2.2 3.5 70 70 50/ 49 1.0 .4 3.1 2.5 .2 3.3 3.0 . 8 68 79 48/ 47 68 93 70 46/ 45 • 3 • 1 70 84 132 .1 3.3 1.3 44/ 43 54 86 68 1.1 41 41 59 73 3.2 40/ 39 .1 1.2 14 14 50 82 59 4 38/ 37 4 33 36/ 35 34/ 33 21 32/ 31 12 30/ 29 10 28/ 27 26/ 25 3 24/ 23 TOTAL 2.228.228.122.312.5 5.2 1.0 930 930 •3 930 730 No. Obs. Mean No. of Hours with Temperature 69709 75.012.717 57.1 7.910

930

930

930

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± 32 F

≥67 F = 73 F = 80 F = 93 F

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Rel. Hum.

Dry Bulb

Wet Bulb

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49.8 5.666

45.9 7.183

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

34050 RAHSTEIN AB DL
STATION NAME

STATION NAME

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#### **PSYCHROMETRIC SUMMARY**

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PAGE 1 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B. W.B. Dry Bulb Wet Bulb Dew Point BC/ 79 78/ 771 .1 76/ 75 5 • 2 74/ 73 . 1 6 ٥ 72/ 71 •6 14 14 70/ 69 17 17 68/ 67 •9 21 21 34 34 66/ 65 .1 1.9 85 85 19 64/ 63 2.3 51 51 62/ 61 77 10 60/ 59 1.3 77 63 1.5 2.5 91 91 37 58/ 57 2.3 2.3 đ9 56/ 55 .1 1.8 3.0 93 93 85 76 53 84 84 88 2.7 01 52/ 51 • 2 49 47 82 .2 1.1 1.9 111 • 1 77 87 77 30/ 49 .11 2.3 3.1 58 48/ 47 79 79 75 82 3.4 . 6 3.7 57 5**7** 129 46/ 45 1, 3.3 06 44/ 43 45 48 59 3.0 1.8 75 .2 42/ 41 1.8 27 27 <u>62</u> 61 • 5 75 40/ 39 47 . 2 2 37 2 12 60 38/ 26 36/ 35 . 1 18 34/ 33 14 32/ 31 30/ 29 13 28/ 27 26/ 25 24/ 23 .624.627.424.314.7 5.9 1.6 930 930 TOTAL 930 930 SORM JUL 64 No. Obs. Mean No. of Hours with Temperature Element (X) 7 .. 212.289 Rel. Hum. 5118919 68045 936 ≤ 32 F ≥67 F ≥ 73 F × 80 F ≥ 93 F 2877726 51208 930 Dry Bulb 4.5 930 93 2407982 46918 50.4 6.643 Wet Bulb 2037642 43016 93 3.8 Daw Point

66-70,73-77

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC RAMSTEIN AB DL STATION NAME 66-70,73-77

# PSYCHROMETRIC SUMMARY

ITC T

1800-2000 HOURS (L. S. T.) PAGL 1

Temp.	T						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)		0	1 - 2	3 - 4	5 - 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	<b>2</b> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69	9						• 2			<u> </u>									2	2		
58/ 67					. 2	-1	• 1								<b>l</b> i		1		4	4		Ì
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62/ 61		i	. 4		.3	•1				<del>                                     </del>	-					<del></del>			24	24	9	
60/ 59		- 1		2.2		.5	•1		. 1	Ì	1						1		48	48	22	6
58/ 5	7		4.0						-		<del></del>								75	7'	52	ZV
56/ 55		. 4		2.3		.5			Ì	<u> </u>	1				)	1	ì		81	81	73	63
54/ 53		. 8	3.2	3.2	1.5						-					<del></del>			81	81	76	79
52/ 5				1.9	. 2	1				١	1		ľ				1		65	55	85	63
50/ 49		. 2		3.5															81	81	91	69
48/ 4	7			1.6		• 2				Ì	1				]		1		79	79	92	70
46/ 4		1.7	8.4	3.2	. 3					<del>                                     </del>				<del></del>					122	122	89	127
44/ 4				2.4	.5					1	1				1				86	96	106	82
42/ 4		. 1			•2						<del>                                     </del>								58	58	36	87
40/ 39		!		1.0	, ,					1	Ì			1					37	37	56	75
38/ 3		- <del>  </del>	2.2						-	<del>                                     </del>	!								21	21	41	73
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Element ()	x) [		Σχ'			z <sub>X</sub>		X	· *x		No. 0	ı. T				Mean No	. of Ho	ours wit	h Tempero	lure		
Rel. Hum.	$\Box \Gamma$			1287		774		03.2				30	50	F	₃ 32 F	× 67 1	: .	73 F	≥ 80 F	<b>≥</b> 93	F	Total
Dry Bulb				8392		464		49.9				3ù			•6	_ •	6					93
Wet Bulb				2125	L	440		47.4			9	30			1.2	L	$\mathbf{T}$					63
Dew Point			192	4489		417	83	44.9	7.1	33	9	30			3.9		ı					93

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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#### PSYCHROMETRIC SUMMARY

34050 RAMSTEIN AR DL 96-73,73-77

STATION STATION NAME

PAGE 1 2100-2300

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dr, Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 70/ 69 68/ 67: .1 66/ 65 6 6 23 64/ 63 62/ 61 60/ 59 21 58/ 57 3.1 1.2 • l 45 33 56/ 55 60 4.3 1.7 60 75 .5 4.3 2.2 1.1 4.0 1.6 71 71 67 54/ 53 . 0 67 52/ 51 56 66 67 71 1.4 5.9 2.2 89 89 50/ 49 75 48/ 47 1.2 5.4 1.5 2.5 7.5 2.6 79 79 63 36 120 127 46/ 45. 120 102 1.9 5.2 1.3 85 44/ 43 80 80 95 42/ 41 1.4 6.0 40/ 39 1.5 6.5 57 77 86 . 9 6.5 84 100 84 92 38/ 37 29 29 80 .5 2.4 66 20 20 61 1.5 27 36/ 35 34/ 33 1.5 19 19 27 26 .3 18 27 18 18 32/ 31 1.4 . 2 28 30/ 29 8 8 15 •0 2 9 28/ 27 2 25/ 25 4 24/ 23 930 14.760.019.6 4.4 TOTAL 930 93<u>0</u> No. Obs. Mean No. of Hours with Temperature Element (X) 81064 87.2 8.991 47.1 7.653 930 Rel. Hum. 7141096 ± 32 F ≥67 F | ≥73 F | ≥80 F | ≥93 F 10F Total 2121495 43845 930 3.0 Dry Bulb 930 12102 45.3 7.025 3.7 93 Wes Belb 1951846 Dew Point 1801858 40392

6.26.5 (OL A) Renato previous topicous of this form are obsolite

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

34050 RANSTEIN AP DE STATION NAVE

## PSYCHROMETRIC SUMMARY:

															PAG		MOURS (	L L L. S. T.
Temp.								DEPRES							TOTAL		TOTAL	
(F)	0 1-2 3-4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14			19 - 20	21 - 22	23 - 24 :	25 - 26	27 - 28 29	30 2 31	_,D.B. ₩.B.		Wet Bulb	De= P
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8/ 77	<del></del>					<u>•0.</u>	<u>•0</u>	<del></del>						<u>-</u>	3	10	<u> </u>	<del>;</del> —
6/ 75			, n		• 1	•0	.0	•0	i	1	Ì		•	ì	10	12		
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8/ 67				• <u>•</u>				<del></del>	<del> i</del>	<del></del>	<del></del>	<del></del>			1 55	55		-
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4/ 63	.1 .8		- 7	•2	.0	;		<del>-</del> -	~	<del>- i</del>				<del></del>	274	274	36	<del> </del>
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2/ 41	.8 4.5 .9		.0		<u> </u>			<b>i</b> _		<u> </u>					466	466	591	60
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lement (X)	Σ <sub>χ</sub> ,		ž x	<del></del>	X	•,		No. Obs					Here W-	of House :	ith Tempera	<u> </u>		<u> </u>
el. Hum.	53518959	1	62510	05	84.0		97	744		± 0 F	F   -	32 F	≥ 67 F	- 73 F	≥ 80 F	2 93	F	Total
ry Bulb	1837035		3640		48.9			744				2.6	14.4			+-3		7
er Bulb	1646757		3455		46.4			744				5.6		<del>'                                    </del>	<del>' </del>	_	-+-	<del></del>
ew Point	1486434		3278		44.1			744				2.6		<del> </del>				— <u>†</u>

6-7.,73-77

DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/MAC

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34050 RAHSTEIN AR OL STATION HAME

## PSYCHROMETRIC SUMMARY

																	PAGE	. 1	0000-	. 5. 1.
Temp.					WET	BULB TE	MPER	ATURE	DEPRESS	10H (	F)						TOTAL		TOTAL	
(F)	0 1-2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12 1	3 - 14	15 - 16	17 - 18 <sup>†</sup> 19	- 20	21 - 22	23 - 24	25 - 26	27 - 28 2	29 - 30	≥ 31	D.B. ₩.B.	Dry Bulb	Wet Bulb	De= P
64/ 63	:			•2		:	-							3			2	2		
60/ 59		• 2											<u> </u>				8	8		
58/ 57		رَة .							i	1				:		l	6	0	: .	
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54/ 53:	_	. 9		.2					ļ	ļ			1		j		16	16	: =	
52/ 51:	1.0	2.0		<u> </u>		<u> </u>			i				<u>.                                    </u>	i			27	27		
50/ 49				• 1		1	į		:	;				I			36	36		
48/ 47	1: 2.1	1 6 6	- 4			<u> </u>				;			<u> </u>				35	35 77		3
46/ 45	.6 5.5			i i	• 1	•			.	- 1				į			80	80		5
44/ 43		4.		- 6		<del> </del> -							<u> </u>				70	70		
42/ 41: 40/ 39.				;			1			İ			1 :				97	97		
38/ 37	1.3: 5.3	2.2	• 4	<del></del>		<del>!                                    </del>								<del></del>			79	79		<del>. [</del>
36/ 35:	•			<b>i</b> i		•							;	ļ			67	67	1 :	į
34/ 33	1.7 4.7	- <del>1 • t</del>		<del>                                     </del>		<del>                                     </del>							<del></del>	1			06	66		
32/ 31.	1.7. 4.3									I			!!				55	55	72	7
30/ 29	2.2 5.3			<del>i -</del> i		<del>}</del>	<del></del>			<del>-  </del>			<del>                                     </del>	<del></del> +			69	69		
28/ 27	3.5. 1.1			!			:			- 1			i	1			42	42		
26/ 25	1.16					<del>i</del>							<del>                                     </del>				16	16		2
24/ 23	1.1 .8						:							I			17	17		2
22/ 21	.41 .4			$\vdash$		<del>                                     </del>				_				<del>- i</del>			8	8		1
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18/ 17	.1 .2			i													3	3	5	
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Element (X)	Σχ'		<b></b> -	Zx		X	<u> </u>		No. Obs.			<u> </u>		Mean N	o. of H	ours wil	h Tempero	ure	ــــــــــــــــــــــــــــــــــــــ	
Rel. Hum.		5431		765	23	85.6		77	89		± 0 1	F :	1 32 F	≥ 67		73 F	= 80 F	* 93	F ·	Total
Dry Bulb		1261		346		38.7			89				21.8		1-		T	1	$\neg$	- 5
Wet Bulb		1487		330		37.0			89				25.6		_		1			
Dew Point		2957	<del></del>	309		34.6			89				36.5		$\neg$			1		5

06-70,73-77

RAMSTEIN AB OL 56-70,73-77 PAGE 1 **U300-0500** WET BULB TEMPERATURE DEPRESSION (F) TOTAL 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30. D.B. W.B. Dry Bulb Wer Bulb Dew Point 62/ 61 5 60/ 59 .3 58/ 57 • 3. 12 54/ 53 • 3 12 25 11 52/ 51 11 50/ 49 29 29 15 .1 1.6 1.5 18 39 20 48/ 47 .2 5.4: 1.3 64 64 46/ 45 .6 4.7 1.9 08 68 66 50 51 44/ 43 1.2 5.0 2.2 34 84 62 .4 4.1 .7 42/ 41 47 47 79 40 1.3: 7.2 97 97 74 97 40/ 39 38/ 37 1.5 4.9 76 76 85 60 1.1, 6.3, 1.5 79 79 35/ 35 94 80 58 85 34/ 33 1.v. 4.d. 58 84 32/ 31 30/ 29 1.3 5.9 68 84 68 66 69 ٥9 88 2.4.5.3; 91 28/ 27 3.0. 1.1 41 41 101 29 26/ 25 19 19 23 1 23 10 10 15 11 24/ 13 11 15 22/ 21 11 . 0 .7 20/ 19: 14 12 18/ 17 16/ 15 6 14/ 13 3 9 10/ TOTAL 17.461.718.0 2.0 895 893 893 893

893

895

893

803

76779 76779

34-123

32079

30837

86.0 9.358

38.5 8.238

36.8 7.557

34.5 7.746

6679471 1384625

1261493

1118375

**PSYCHROMETRIC SUMMARY** 

Mean No. of Hours with Temperature

± 32 F

23.4

26.5

37.14

± 0 F

≥67 F = 73 F ≥ 80 F ≥ 93 F

90

90

11 --- --- <u>---</u>

DATA PROCESSING RRANCH USAF ETAC

AIR WEATHER SERVICE/MAC

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

34050 RAMSTEIN AP DL 06-71373-77 NOV
STATION NAME YEARS PAGE 1 0600-0800
HOLPS IL. S. T.1

Temp.							EMPER									TOTAL		TOTAL	
(F)	0 1-	2 3-4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23	- 24 25 -	26 27 - 2	8 29 -	30 + 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dem Point
62/ 61			. 1				1		i				l		i	1			
58/ 57			0 .4						<u> </u>						i	111	11		
56/ 55			4 1		• 2		:		1				i		į	16	16	2	1
54/ 53	1.	, ō	4:	1			<u> </u>		1			!	1		_ <u> </u>	14	14		
52/ 51	<u> </u>		b:	· • 1			:					-	1		Ì	15	15	19	
50/ 49:		8 Z.	0	·					i		i					27	27		19
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46/ 45	.6.5	7: 2.	5 •4				I					i				82	82	67	
44/ 43	•9: 4:						1								ĺ	65	65	61	
42/ 41	.7 5	8· 1.	<u>l</u>						!				<u> </u>			68		95	53
40/ 39				[ _			1		l						I	92	92	62	
38/ 37	1.5. 4.			<u>.</u>					<u> </u>	l						81	81	84	47
36/ 35	1.5, 7,	.5	9.						į				i	i		9.0	88	90	
34/ 33	1.25		1	,			<u> </u>		-							64			92
32/ 31	1.1.3		3,	1	i		- 1				i I	-			1	43	43	66	63
30/ 29	1.8 5.		1;			: :			<u> </u>				_L	i		68	68	77	·
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26/ 25		. 8:	. i	1	r	<u>.                                    </u>			- 			l				20	20	24	30
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22/ 21		. 1		: !	<u> </u>				<u></u>							3	3	9	20
20/ 19	• 1;	6	i t	1		į .			İ	,	i i		l		I	6	6		4
18/ 17		. 3!	i	<u> </u>			ı		i	<u> </u>		L_		Ш_		7	8	11	7
16/ 15	• 1	Î	1	ĺ	Ì	1			Ì	•	1 1	Į	į	1	1	1	1	2	9
14/ 13		1		!					<u>i</u>	<u>!</u>	l — —	L_					<u></u>		4
12/ 11		1	[ ]	i	l	•			1	ĺ		l	İ		1	;			3
10/ 9		<u> </u>	_i	<u> </u>	<u> </u>	<u> </u>			<u> </u>	<u> </u>									2
TOTAL :	18.002	477.	5 1.2	. 6	-2	l				ĺ		1					893		592
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				<b> </b>	<u> </u>	ļ	ļi		<u> </u>	<b> </b>	<del>                                     </del>		<del>-</del>				]	<b> </b>	<u> </u>
	l		ĺ	İ	]				1						İ	l			
			<del></del>	<u> </u>	<u> </u>	<u> </u>	لـــــا			ــــ		i						<u></u>	<u> </u>
Element (X)	ZX,			ZX		<u>X</u>	*g		No. OL			<del></del>				th Tempera			
Ret. Hum.		74760		771	08	50.5	8.9	(1)		97	_ ± 0 F	≤ 32 1		67 F	≥ 73 F	= 80 F	≠ 93 l	F	Total 96
Dry Bulb		37041		342	17		8.1			93		22.		<del></del> -		-			90
Wet Bulb		25479		327			7.5			92		25.		!		<del></del>	<del> </del>		<u> </u>
Dew Point	1	11888	7	308	43	27.0	7.7	<u> 11</u>	<u>.</u>	9Z		36.	2	i					<u></u>

DATA PROCESSING PRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC VOM 55-76,73-77 RAMSTEIN AS DL STATION NAME PAGE 1 3930-1130 HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B. W.B. Dry Bulb Wet Bulb Dew Point 64/ 631 62/ 01 60/ 59; 58/ 57; 7 .1 12 12 55 17 56/ 17 54/ 53 27 27 18 14 .3, 1.91 23 23 52/ 51 • 1 23 . 3 51 51 16 50/ 49 2.3 3.0 22 51 48/ 47 51 60 25 94 68 46/ 45 6.2 3.3 64 44/ 43 .2 5.8 2.7 83 83 76 64 اه . 42/ 41 59 57 .6 4.2 1.6 83 92 99 40/ 39 .9 6.7 3.3 38/ 37 94 94 60 2.2 5.6 2.7 1.6 5.3 1.3 36/ 35 74 38 108 85 66 87 34/ 33 66 1.3 3.7 . 6 51 51 72 81 32/ 31 Ĕ9 41 41 30/ 29 1.7 28/ 27 • 2 32 32 32 70 2.1 1.2 10 24 25 10 14 24/ 23 22/ 21 10 11 .2 io 2 20/ 19 2 7 18/ 17 16/ 15 14/ 13 898 598 TOTAL 12.457.025.2 4.6 893 598 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 6460661 75677 84.3 9.624 898 ⊴ 32 F

898

898

13.9

18.4

90

ತ

Dry Bulb

Wet Bulb

Dew Point

1532330

1381765

1215885

36452

34671

32399

40.6 7.602

38.6 6.936 36.1 7.235

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

34050 STATION	RAI	MSTE	IR A	P OL						<u>:.6-7</u>	7 ون	3-77									NO	
CITATE				sī	TATION N	AME								- <b>-</b> - <b>Y</b>	EARS	_		РД	GE I		1200-	1400
Temp.						WET	BULB 1	EMPERA	TURE	DEPRE	SSION (	F)						TOTA			TOTAL	
(F) =	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 25	29 - 3	30 2 3	1 D.B. W.		Bulb		Dew Poin
68/ 67					i — —	•2		i i						<u> </u>	i	$\vdash$	7		2	2		
66/ 65	ì					•1			į					1	1	1	1		1	1	1	
64/ 63:				.1	• 3				i					<del> </del>	<del>                                     </del>	_	<del></del>		4	4		
62/ 61.	Ì			. 1	-4	•1			i				<u> </u>	1	:	1		]	5	6	1	
60/ 59			.3	• 3	.2	•1	•1						<u> </u>	<del></del>	:		1-	1	0	10	1	
58/ 57		• 6	.5	1.6	.3	• 2			i					Ī	!		ļ	2	9	29	4	
56/ 50		• 2			• À	•1								1	1		<del>                                     </del>		2	12	11	
54/ 53	1			2.7			<u> </u>						l		1	1.	1	4	6	46	19	8
52/ 51		. 8	2.6	.7		•1							[	1	1		ī	3	7	37	34	11
50/ 49			2.3		.2		<u>                                      </u>	L1	!						!	Yanga and American	1	4		49	34	25
48/ 47			3.0		.6									Ī	1	Ī	T	, 7		76	78	25
46/ 45	7	0.1	6.1	2.6	.7								L	· -	<u> </u>	l	_ [	14		45	58	78
44/ 43	• 4		3.1		.7	•1								į	Ī	Ì	-	1 9		97	122	67
42/ 41		4.0	3-2	- 8			<u>L</u> _						<u> </u>	<u>:</u>		<u>l</u>				72	90	73
40/ 39			3.2											i	1	Π		10	2	02	85	96
38/ 37:		3.4		.3	<u> </u>		<u> </u>						<u> </u>	i	<u> </u>	<u> </u>		6	1	61	129	93
36/ 35	• 1	4.2		.6	• 1		i								1	1 -		5		55	81	92
<u>24/33</u>	. 4	2.8		.1	<u> </u>								<u> </u>		<u>i</u>	<u> </u>		3		38	47	100
32/ 31	. 4				1									Ī	1	Ī		2		20	56	
30/ 29	. 4		- 8	-1									<u> </u>	<u> </u>				2	7	27	22	54
28/ 27	.3			l	!		1 '	'					l -	1	1				5	5	17	57
26/ 25		• 1						lacksquare					! <del>!</del> -	<u> </u>	<u> </u>				<u>1</u>	_1	7	21
24/ 23				•		l	j							l		İ	1	- 1	1	1		5
22/ 21			<u> </u>		<u> </u>								<u> </u>	ـــــ	<u> </u>	<u>L</u>						7
20/ 19				l			į						l	l				Į	-	- 1		9
16/ 15				<u> </u>	<u> </u>		<u> </u>	<u> </u> -					<u> </u>	<u> </u>	<u> </u>	<del>  -</del>			4-			5
14/ 13	, .		L	ļ.,	, ,	١	1						İ	1	İ	1	1	ļ	١,			408
TOTAL	4.9	42.3	71.3	10.2	4.0	1.1	•1					<b> </b>	<del> </del>	<del> </del> -	<del> </del>	├	—	<del></del>		395	805	895
														1	l			89	2		895	
<b> </b>				<u> </u>		<u> </u>	<b> </b>	<del>  </del>					<del>  -</del> -	<del> </del>	<del> </del>	<del> </del> -						
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<b> </b>			<u> </u> -	<del> </del>	<b> </b>	<u> </u>	<del>                                      </del>						<del>                                     </del>	<del> </del>	<del> </del>	<del> </del> -						
																	I					
Element (X)		Σχ <sup>2</sup> _			ZX		X	<b>₹</b>	. T	No. Ob	.	L	<u> </u>	<del>'</del>	Mear	No. of	Hours	with Tempt	rature			
Rei. Hym.			6003		699		78.2	2.04	7		95	⊴ 0	F	≤ 32 F	= 6		≈ 73 F	≥ 80	F	≥ 93 F	7	lote!
Dry Bulb			7442		391		43.7	7.23	7		9.5			5.3		.2			$\Box T$			36
Wet Bulb			0861		364	39	40.7	6.45		8				10.3								90
Dew Point		127	3394		331	701	37.1	7.02		A	75			22.0	1							90

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

4050 STATION	RAMSTEIN AR DI	STATION NAME			06-70,7	3-77			<del>.</del>			NO	_
SCATION		SMAN PUTTALE					¥£.	ARS		PAGE	ı	1500-	170
Temp.		WE	T BULB TE	MPERATUR	E DEPRESSION	(F)				T0741		TOTAL	
(F)	0   1 - 2   3 - 4   5 - 6		0 11 - 12 13	- 14 75 - 1	6 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29	- 30 - 31	D.B. N.B.	Dry Bulb	Wet Bulb	De- P
65/ 65 64/ 63	•1	.2	-	i					i	2	2 3	1	
62/ 61			<del>ii i</del>		<del>                                     </del>				<u>-</u>	$\frac{1}{3}$	3	1	
60/ 59.	.1 .4 1.	1 .1					!			16	16	1 !	
58/ 57   56/ 55	.6 .7 .		2 !					!		20 19	20 19	7	
54/ 53	.6 1.3 2.	1 .7			1-1-		1		<del></del>	42	42	18	
52/ 51 50/ 49	1 .7 2.8 .	7 .2 .	<del></del>	<del></del>	<del></del>				<del>-</del> -	62	41 52	31 40	
48/ 47	3.4 4.0 1.	8 .4		<u> </u>					:	86	86	77	3
46/ 45 . 44/ 43 i	.4 5.7 6.8 3. .4 3.7 2.8 1.		.						į	150	150 82	64 115	<u>-</u>
42/ 41,	.2 3.3 3.0 1.		11 -		<del>                                     </del>	<del>                                     </del>	<del></del>	<del></del>		71	71	106	—₹
40/ 39	.2 6.3 3.1	9		1 					<u> </u>	94	94	94	٤
38/ 37	.8 3.5 2.C .	4 -1							1	61	61	103	Ī
36/ 35		21 -1	+		+	<del>}                                  </del>	_		<del></del>	54	54 41	78 70	, <u>, , , , , , , , , , , , , , , , , , </u>
34/ 33 32/ 31	.7; 2.6; 1.0; . .2; 2.1; .2; .	2 • 1 3		3				-	1	26	26	70 41	
30/ 29	.3 .7 .6			i			_	1	~ <del> </del>	14	14	19	
28/ 27	-4	<del>-  </del>	<del>                                     </del>			<u> </u>				4	4	16	4
26/ 25 24/ 23	-			ļ				****				3	- 2
22/ 21;	<del></del>	1-1-	1	<del>- j -</del>	<del>                                     </del>		_	<del> </del>	<del>}</del>				
20/ 19		<del></del>	<del></del>		<del>                                     </del>	<u> </u>				ļ			
18/ 17 16/ 15				1				I					
14/ 13	<del></del>	<del>  -</del>	<del>- </del>	<del></del>	+	<del>                                     </del>		· <del></del>		<del> </del>			
DTAL	4.339.532.918.	5 4.2 .	7					į	l	1	891		8
						<del>                                     </del>				मुरु∏		891	
	<del>-  -                                  </del>		+		+-+-	<del>                                     </del>		<del> -</del>		<del> </del>			
										<b> </b> -		-	
			_				ĺ						
Element (X)	ΣX,	ZX	X	<b>7</b> 2	No. Obs.			Mean No.	of Hours wi	in Temperat	ure		
Rel. Hum.	5477159	69033	77.517	2.021	891	±0F	± 32 F	≥ 67 F	≥ 73 F	⇒ 80 F	* 93 I		fotal
Dry Bulb	1764272	39156	43.9	5.993	891	-	4.4			<b>├</b> ──		<del></del> i	_ 5
Wet Bulb	1522813	36403	40.9	3.31/	891		8.2		ļ	<u> </u>	+		- 6
Dex Point	1268245	33024	37.1	1.6421	891		23.0		1	L			7

FOLM 0.26-5 (OL A) stritte mirrous terrous of this folk att obsoits

JSAFETAC 101M 0.26.5 (O. A.

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

5°ATION	KAM.	3 I E I	N A	5.	ATION N	IVE .				<u>co-</u>	70,73	<del></del>		YEA	LRS					JV NTH
																	PAGE	: 1	1500·	-200(
Temp.						WE	T BULB	TEMPSR	ATUR	E DEPRE	SSION (	F)					TOTAL		TOTAL	
(F)	Ô	i - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	-30 ≥31			Wer Bulb	Dew Po
2/ 61 0/ 59 '	:			•1 •2					: : :				İ	!	•		2 5			1
8/ 57: 66/ 55.	i .	•1:	•6		• 1					1		İ		-		•	10 27		1 6	1
4/ 53		٠ 3:	• 9	. 3					<u> </u>	i			<del>i</del>				14	14	12	
0/ 49	<del></del>	1.5.	2.4	•1			<del></del>	<del>-</del>	<u> </u>					<del></del>	- I		25 35		15 29	
8/ 47			4.9			-			<del> </del>	<u>i.                                    </u>				<del></del>		<del>-                                    </del>	105	43 105	48	5
2/ 41		5 . Z.	3.Q	,4			-	1	<u> </u>	!				<u>!</u>			33 112	83	76	4
0/ 39.	• 41	9.0	1.9	.7			<u> </u>	<u> </u>	<u> </u>	<u> </u>							107	107	94	9
8/ 37 6/ 35	. 4	5.4			•								_	_	1 to 1 to 1 to 1 to 1 to 1 to 1 to 1 to	44 mark	69	63 69	113 76	
34/ 33 32/ 31,	1.7	5.4	•7 •1:		e 					:						70	69 46	59 46		
30/ 29,	1.1	3.5,	. 9	•1			1		<del></del>				<del> </del>				50 22	50 22	44	<u>.                                      </u>
8/ 27	1.2.	•1;	• Q				+	<del>                                     </del>	-	-					<u> </u>		4	4	16	7
2/ 21		ا2.		<u> </u>	<u> </u>		+	<del> </del>	-								2	2	5	1
0/ 19 8/ 17		.— <u>:</u>		<u> </u>	<u> </u>				<u> </u>						<u> </u>				<u> </u>	<del>  -</del> -
6/ 15		<del>,</del> !					<u> </u>	<u> </u>										893	<u> </u>	39
<u>I</u> yr	8.85	1.2	(0.0	5.8	.6		<u> </u>		<u></u>	<u> </u>						Water Company	893		893	1 -
		II MANUAL II															HI HARING THE STATE OF THE STAT			<u> </u>
		HINNE			<b>!</b>															
											_						A STATE OF THE STA			
																	* Different benefits			
lement (X)		x,			ZX	$\Box$	X	•,		No. Ol							ith Tempera			
lel. Hum.			5055		741 363		83,1 40.7	10.2	<u> </u>		93	± 0 F		32 F	≥ 67 F	₹ 73 F	≥ 80 F	- 93	<u> </u>	Total 9
ory Bulb			7814 3722		344		38.6				93 93			7.2		<del> </del>	+	<del></del>		9
Per Point			1358	<del>-</del>	320		35.8				93			9.2		<del>                                     </del>	┪	<del></del>		9

DATA PROCESSING PRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC RANSTEIN AR DL STATION NAME 56-70,73-77 HUV P46c 1 2100-2300 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1.2 3.4 5.6 7.8 9.10 11-12 13.14 15-16 17.18 19-20 21.22 23.24 25-24 27 28 29-30 x 31 D.B. W.B. Dry Bulb, Dew Point 62/61 60/ 59 17 58/ 57 4, 55/ 55 17 54/ 53 1.3. 20 20 11 52/ 51 14 14 10 50/ 49 1.5 2.2 41 41 31: 14 .1· 2.0: 1.3· 1.6; 7.0: 3.7· 33 20 48/ 47 33 43 96/ 45 113 113 45 64 <u>.</u>2; 44/ 43 87 54 1.0 5.9 2-3 90 52 .7 4.1 2.2 55 42/ 41 65; 93 1.0, 5.5 3.6 91 91 102 40/ 39 ۵6 1.2: 5.7 761 57 38/ 37 76 104 36/ 35 .5; 5.6, 1.7; 73 73 őΖ 89 59 104 34/ 33 2.5 3.9 • 2 59 52; 32/ 31 2.1: 4.4; 59 59 76 51 30/ 29: 3.0 3.5 03 63 681 87 28/ 27. 2.7, 1.9 42 42 **79** 361 35 26/ 25: 1.0 14 14 Ž4 .6 7 10! 16 24/ 23: 22/ 21 20/ 19 -21 3 3 6 Ò 3 3 31 8 18/ 17: 10 8 16/ 15 UTAL 18.253.823.4 3.7 894 894 894 694 3 ತ 0.26.5 No. Obs. Mean Ro. of Hoors with Temperature Element (Y) Rel. Hum. 6569391 76093 85.110.190 894 ± 32 F 267 F + 73 F + 40 F + 93 F 19.3 1447037 90 Dry Bulb 35303 39.5 7.701 894 Wet Bulb 1311461 33661 37.7 7.024 894 90 S.S. 35.2 7.293 31484 1156264

DATA PRUCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

34050 STATION	RA	MSTE	IH A	B DL	ATION N	LL/F				05-	7 و (۱)	3-77			ARS					110	)V
STATION				31	A-IVE N	-ME								**	, A43			PAGI	E 1	٨٤	
Temp.						WET	BULBT	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL	T	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 2	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wer Bulb	Dew Point
68/ 67					.0	•0											-	2	2 3		
64/ 63 62/ 61		•0	•0	.0	•1	•0						1						10	10 15	1	
69/ 59 58/ 57		.0 .1	•2	• 4	•1	•0	•0								!			59 101	59 101	2 9	1
56/ 55 54/ 53	.0	• 6	•5	•5	• 2	•1								<del>                                     </del>			-	131	131	48 118	3 34
52/ 51 50/ 49	.0	. 8	1.8	.3	• 1	•0								<del> </del>			1	207 330	207 330	155 224	83 129
48/ 47	.1	3.3	1.9	.7	•1					<del>                                     </del>		<del> </del>		-			$\vdash$	439 834	439 834	412	181 524
46/ 45	.7	5.0	2.0	.7	•2	•0						<del> </del>	 	-			+-	661	661	679	460
42/41	.7	7.1	2.8	.3	•0	•0											<del>                                     </del>	779	364 779	7 <u>30</u> 625	473 738
38/ 37 36/ 35	1.3	4,8 5,5	1.4	•1	•0	<del></del>				-				<del> </del>			-	591 559	591	826 666	589 736
34/ 33	$\frac{1.2}{1.1}$	3.7	.6	•1	•0	_	-			<u> </u>		<u> </u>		<del>-</del>			<del>                                     </del>	461 368	461 368	560 528	732 574
30/ 29 28/ 27	2.1	3.5	.4	.0						<del> </del>		<del> </del> -	<u> </u>	╄			├-	237	237	454 250	620
26/ 25 24/ 23	.7	•5	•0							ļ	<del></del>	<u> </u>		<del> </del> -			<u> </u>	84	60	134	Z17
22/ 21 20/ 19	.2	•2						_		<b> </b>				ļ			_	25	25	40 15	91 54
18/ 17	- <u>1</u>	.1								<u> </u>		<u> </u>		<u> </u>			<del> </del>	12	13	23	6)
14/ 13	0				-									<u> </u>	<u> </u>		<u> </u>	2	2		19 8
10/ 9	0.0						<u> </u>	. r	-				-:-					2	í	2	4
8/ 7 TOTAL	12.7	54.0	24.4	7.0	1.6	4	,ō		. ,2.				<u> </u>				<u> </u>	7150	7153	7150	7150
Element (X)		Σχ'			Zχ	<u> </u>	7		a contact	No. Ob	- 	- ~ ~ ~		2		à	1			(130	
Rel. Hum.	<u></u>	5042	0711		<del>~ x</del> 5 <b>95</b> 3	90	X 83.3			71		<u> </u>	F	± 32 F	Mean N ≥ 67		73 F	th Tempero	* 93	F	Total
Dry Bulb			5200		<del>289.7</del>		40.5			71		2 2		22.8		2		1	+-/3		720
-Wet Bulb			3395		2743	45	38.4	791	33	-71	50		7:1	55.3	2	-		1			720
- Dew Point			5370		2547		35,6			71	50	7. 847% —		48.4			<u></u>		1		720

DATA PROCESSING PRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC RANSTEIN AR DL STATION NAME nEÇ 55-70,73-77 PAGE 1 0000-0200 HOUPS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28, 29 - 30 | 2 31 | D.B. W.B. Dry Bulb Wer Bulb Dew Point 54/ 53 • 2 52/ 51 15 15 50/ 49 . 2 .li l.l 22 15 ó 48/ 47 .1 1.3 22 41 41 251 23 46/ 45 .2 3.2 1.0 34 22 44/ 43 2.4 34 33 22 24 22 41 .2 1.9 42/ 41 75 40/ 39 .2 5.3 2.5 75 21 39 37 .8 4.2 3.5 2.2 7.2 2.8 34 66 38/ 36/ 35 113 113 101 60 97 34/ 32 2.6 5.9 2.2 100 100 127 .1 72 65 65 32/ 31 1.1.5.2 .1 57 87 123 30/ 29 2,0 5.0 • Ì [ 4.7 5.5 98 28/ 27 98 82 107 49 49 69 77 26/ 25 1.9 3.3 25 49 24/ 23 1.2 1.5 25 40 57 27 30 | 27 22/ 21 1.1: 1.5 20/ 19 . 3 13 13 36 201 30 10 TO 13/ 17 11 16/ 15 . 5 14 12 23 8 10 14/ 13 .2 9 12/ 11 . 2 8 8 10/ 9 7 4 7 5 5 8/ 6/ 5 11 3 2 4/ 2/ 1 2 0/ -1 -2/-3930 930 TOTAL 24.358.016.7 1.0 930 930 No. Obs. Mean No. of Hours with Temperature Element (X) 930 85.5 9.605 32.9 8.636 79508 Rel. Hum. 6883040 ≤ 32 F 267 F 273 F 280 F 293 F # 0 F

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Dry Bulb

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Dew Point

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26857 28.9 8.635

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 34050 Temp. 1 (F) 54/ 53 52/ 51 4 50/ 49 .0 48/ 47 . 1 46/ 45 ŧ 44/ 43 42/ 41 40/ 39 1 38/ 37 1.2 7.5 36/ 35 34/ 33; 32/ 31 1.8 30/ 29 2.8 28/ 27 5.0 5.5 26/ 25 3.4 24/ 23 1.0 1.3 22/ 21 1.2 1.9 20/ 19 1.0 18/ 17 .9

0.26.5 (OL

## PSYCHROMETRIC SUMMARY

RAMSTEIN AP OL 06-70,73-77 DEC STATION NAME PAGE 1 0300-0500 HOURS (L. S. T.) TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 20, 2 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point 1.2 3-4 5-6 .5 13 • 5 13 23 23 1.3 1.0 41 20 41 18 .1 3.2 1.0 2.3 1.9 39 39 41 18 29 29 19 31 2.0 1.1 4.1 2.0 71 71 40 50 82 37 88 1.5 5.4 1.9 66 75 107 107 108 2.5 101 89 89 5.1 1.9 106

92 5.3 1.1 77 77 99 101 68 68 30 105 105 90 106 66 47 57 47 21 21 44 46 45 29 29 28 17 17 39 21 35 34 14 19 9 9 ĪO 19 .5 16/ 15 14/ 13 13 .4 11 11 10 . 8 12 6 7 11 9 10/ 10 10 7 7 9 4 8/ 6/ 5 3 4/ 2/ 2 929 24.956.717.4 1.0 929 DTAL 929 929

Element (X) No. Obs. Mean No. of Hours with Temperature 929 85.5 9.480 267 F 273 F 280 F 293 F Rel. Hum. 79386 6867186 1.0 F ≤ 32 F Total 32.8 8.632 929 Dry Bulb 1073529 30497 42.4 980097 929 29171 31.4 8.312 48.7 93 Wet Bulb 93 60.9 842965 26773 28.8 8.771

DATA PROCESSING BRANCH USÁF ETAC ÁIR MEÁTHER SERVICE/MAC

34050 RAMSTEIN AB DL

#### **PSYCHROMETRIC SUMMARY**

DEC

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DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/MAC RAMSTEIN AR DL

## PSYCHROMETRIC SUMMARY

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Temp.																	TOTAL		TOTAL		
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DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC RAMSTEIN AB DL STATION NAME DEC a6-75,73-77 1200-1400 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30, a 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point 56/ 55 . 2 54/ 53 . 2 52/ 51. 6 6 50/ 49: . 9 20 20 ٠ĉ 48/ 47 25 11.2 1.0: 25 13 46/ 45 2.5 4.1 68 68 27 18 • 3 18 44/ 43 .2 1.9 3.9 64 54 47 42/ 41 .3 4.5 1.6 69 69 35 .11 62 95 45 39 40/ .4 5.7 3.3 83 94 76 38/ 37 .5 4.9 3.8 94 76 1.1 5.5 3.3 1.7 6.5 2.0 96 96 85 36/ 35 105 97 **93** 33 97 119 34/ 31 65 ·0 4.1 1.2 59 •1 109 30/ 29 .4 4.6 1.3 64 ō8 102 93 27 93 141 28/ 4.2 4.9 84 26/ 25 .1 2.3 .3 25 25 51 64 41 21 21 28 24/ 23 .2 1.9 22/ 21 13 13 29 41 37 20/ 19 • 5  $\Pi$ 17 16 18/ 15 28 16/ 14/ 13 8 12/ 11 3 10/ 9 8/ 730 11.053.928.2 6.2 730 TOTAL 930 930 ₹ 9 No. Obs. Mean No. of Hours with Temperature Element (X) 930 80.711.052 Rel. Hum. 75034 6167348 2 0 F ± 32 F 33554 36.1 7.166 31566 33.9 6.658 28366 30.5 7.451 930 28.8 93 1258316 Dry Bulb 930 38.0 93 1112592 Wet Bulb 930 55.0

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DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/MAC

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RAMSTEIN AR OL

#### **PSYCHROMETRIC SUMMARY**

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STATION NAME PAGE 1 1500-1700 HQURS (.. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point 56/ 55 5-/ 53 52/ 51 •3 â 8 1.1 15 15 50/ 49 . Li 34 141 d 48/ 47 2.0:1.3 46/ 45 2.9: 3.6 .4 66 66 33 47 23 59 59 44/ 43 .2 2.9 3.8 .2 2.9 1.5 <u>ا</u>ر. ا 53 53 62 27 42/ 41 52 40/ 39 .4 5.5 2.3 70 38/ 37 91 91 35 63 .0 4.8 3.4 113 113 36/ 35 .0 6.5 4.5 103 96 d 8.0 2.2 106 106 120 34/ 33 78 31 1 117 32/ 1.1 3.6 1.7 ō1 61 .0 4.4 1.6 67 67 64 107 30/ 29 वृ 91 132 93 287 27, 4.5 26/ 25 . 2 1.7 20 20 48 54 42 29 24/ 23 .4 1.1 1 % 22/ 21 .2 1.2 13 13 17 37 20/ 19 19 10 13 40 18/ 17 16 18 16/ 15 14/ 13 10 12/ 10/ 37 6/ 929 729 TOTAL 11.354.328.2 5.4 929 929 Element (X) No. Obs. Mean Ho, of Hours with Temperature 929 74939 ± 32 F Rel. Hum. 6142725 ≥67 F ≥ 73 F ≥ 80 F = 93 F 80.711.261 ± 0 F 1200868 33602 36.2 7.001 929 27.8 Dry Bulb 38.6 929 93 1116099 31615 34.0 6.582 Wet Bulb

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DATA PRUCESSING PRANCH PSYCHROMETRIC SUMMARY USĀF ETAC AIR MEATHER SERVICE/MAC RAMSTEIN AS DL DEC 26-70,73-77 STATION NAME 1800-2000 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Balb Wat Bulb Dew Point 1-2 3-4 5-6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 21 56/ 55 54/ 53 4 8 | 3 52/ 51 •5; **,**3: 3 9 9 | 50/ 49 48/ 47 20 ZЭ 16 45/ 45 .2. 2.9 2.3 50 50 21 24 23 42 44/ 43 .2 1.8, 2.5 42 40 52 53 39 23 42/ 41 .2. 3.2 1.7 77 40/ 39 4.7 2.0 58 5.0 3.0 43 38/ 37 861 361 72 . 2 114 114 84 36/ 35 1.8 5.9 4.2 193 102 1.5 7.2 34/ 33 102 107 81 2.2 <del>5</del>9 76 133 32/ 31 4.7 2.0 75 105 30/ 29 5.7 64 80 103 147 5.3 5.2 1031 287 27 84 26/ 25: 1.2 1.7 29 29 51 65 54 27 24/ 23 1.3 1.5 27 29 22/ 21 1.7 20 20 22 43 .3 37 20/ 19 1.1 . 6 Io. ĮÞ Zl 12 25 12 15 18/ 17 . 5 ΙÓ 15/ 15 5 8 14/ 13 .3 7 12/ 11 1 Ţ 1 Ó 10/ 4 9 9 87 5 5 13.955.923.5 1.7 930 929 729 929 5 0.26.5 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 6612630 77844 83.8 9.338 929 1 32 F 267 F 273 F 280 F 293 F 31765 34.2 7.757 930 93 Dry Bulb 1140863 30+4 93 30181 32.5 7.289 27510 79.6 7.948 Wet Bulb 1029809 929 46.6

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Dew Point

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC กลิต 34050 RAHSTEIN AR OL 06-70,73-77 STATION NAME MONTH 2100-2300 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 e 31 D.B. W.B. Dry Bulb Wer Bulb Dew Pain ٠ غا .1 54/ 53 .5 .3 9 9 52/ 51 50/ 1.7 18 18 48/ 47 .9 13 13 25 10 • 3 43 4 3 24 46/ 45 .1, 3.2 11 2.7 1.5 41 41 15 44/ 43 37 27 20 42/ 41 1.9 • 3 .1 4.9 2.6 40/ 39 71 71 28 42 4Ú 38/ 37 1.1, 5.2, 4.2 82 36/ 35 1.7 5.3 3.7 102 102 98 78 33 2.5 7.8 1.8 34/ 116 110 132 80 € 32/ 31 1.6 5.2 1.0 73 73 96 107 120 30/ 29 2.0 4.1 1.1 67 67 77 <u>2</u>7 96 119 5.1 5.2 96 58 26/ 25 48 48 63 2.4; 66 24/ 23 19 19 32 .4 31 1.6 1.0 22/ 21 16 16 26 62 •8 20/ 19 22 22 37 21 .0 14 30 18/ 17 .4 14 16 9 20 9 16/ 15 .5 E. 6 Ď 8 14/ 13 .5 6 5 5 3 6 6 6 10 10/ . 3 7 7 .1 9/ 1 6 6/ 5 •1 •2 1 2 3 3 2/ 1 0/ 22.956.219.2 1.6 930 930 TOTAL ਹੁ 930 930 Element (X) ZX' No. Obs. Mean No. of Hours with Temperature . X:... 78928 6784978 84.9 9.647 930 ≥ 93 F Rel. Hum. ± 0 F ± 32 F 93 33.5 8.340 Dry Bulb 1108181 31153 930 38.6 93 29735 930 1007721 32.0 7.833 mer Bulb 46.5 Dew Point 862072 27242 29.3 8.306 930 61.5 93

DATA PROCESSING PRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC **D£**C RAMSTEIN AR DL 66-70,73-77 STATION NAME WONTH PAGE 1 ALL MOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 31 D.B. W.B. Dry Built Wet Built Dew Point 5 - 6 1 - 2 3 - 4 36/ 55 .0 . 1 •0 54/ 53 42 42 .0 - 1 48 44 52/ 51 .9 110 110 56 21 50/ 49 •4 . I 56 119 .1, 1.4 177 177 48/ 47 •0 399 46/ 45 2.9 •0 399 178 173 . 2 158 372 37Z .2 2.4 2.2 313 44/ 43 338 339 358 187 42/ 41 2.0 1.4 .0 . 4 391 606 340 40/ 39 5.0 2.5 909 686 615 381 38/ 37 4.9 3.1 • 2 **E58** 805 36/ 35 6.6 3.3 658 613 807 807 924 750 34/ 33 1.9 6.6 2.0 • 2 557 379 32/ 31 4-3 1-2 •0 <del>55</del>7 620 .0 556 556 640 i 862 30/ 29 4.8 . I . 8 810 991 27; 5.1; 5.3 28/ **010** 697 76/ 25 1.3 2.4 287 287 474 532 • 1 •0 23 • 0; 1 • 4 •0 168 168 261 361 24/ 173 173 • 0 204 376 .7: 1.6 22/ 299 126 20/ 19 1.1 126 154 • 6 73 73 202 17 90 18/ 16/ 70 70 74 169 15 .0 96 53 54 13 • 3 53 14/ 18 18 58 12/ 11 • i 25 42 42 57 10/ 9 . 3 33 8/ 7 .0 25 25 38 33 12 12 38 5 12 30 4/ 3 2 .0 14 0/ -1 ತ -2/ -3 0.26.5 20.056.021.3 2.4 7435 7430 TOTAL 7436 7436 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 53071508 623640 83.910.165 7436 1 32 € 33.9 8.277 32.3 7.740 .3 298.6 252432 7435 744 9076612 Dry Bulb 7436 8193310 240028 .3 360.0 744 Wet Bulb 6943283 218719 29.4 8.282 7 +36 .5 475 E Dew Point

dente desire

Anopi<sup>©</sup>

Sugar

AFETAC 101

DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/MAC

RANSTEIN AD DL

STATION NAME

#### PSYCHROMETRIC SUMMARY

ALL

WENTH.

PAGE 1 ALL 400°5 (t. 5. 7.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 33 = 31 D.B.-W.B. Dry Bulb Wet Bulb Dew Point 100/ 99 • 0 98/ 97 11 • 0 27 271 96/ 95 •0 •0 •0 ٠٥. •0 94/ 93 .0 •0 .0 .0 35 35 45 92/ 91 •0 •0 .0 •0 •0 48 80 80 90/ 89 .0 .0 .0 .0 •0 .0 .0 .0 115 115 38/ 27 .0 .0 .0 .0 .0 • 0 •0 .0 85/ 85 •0 211 211 .0 .01 • 0. . Oi . 1 -1 •0 •0 285 285 84/ 83 .0 .1 .1 .1 • Ū .0 •0 82/ 81 482 462 •0 .0 • 0 5751 575 30/ 79 .0 • Ō! •0 •0 78/ 77 695 695 .0 • 1 . 2 . 2 .0 .0 9091 909 76/ 75 • 0 .0 •0 •0 •0 74/ 73 1137 1137 .4 -9 -0 <u>. o</u> • tì •0 .0 .0, 72/ 71 . C .0 •0 .0 1348 | 1348 70 5 1558 1558 •0! - 21 .3 . 2 .0 280 70/ 69 . 1 •0 .0 .1 • 4 ٠5 25 68/ 67 -2 .2 .0 1654 1654 682 . 2 . C • 4 .2 .1 .0 +0 2231 2231 1273 66/ 65 . o 126 .n .1 .0 3932 | 3932 | 2016 | 64/ 63 .3 662 1.3 .0 .1 ٥. 2700 2700 2861 903 62/ 61 . 4 .0 -6 3542 3543 3549 1692 60/ 59 • 9 .2 .0 .0 58/ 57 3552 3552 4405 2661 . 2 .3 .9 .0 .0 .3 .1 .0 1.0 4019 4019 4320 3803 3907 3907 4700 4500 56/ 55 1.0 .0 .0 54/ 53 .8 .3 1.4 .3 .0 .0 1.4 .2 3351 3351 4747 4415 52/ 51 .3 1.2 1.5 .0 •1 .1 3848 3848 4520 4458 50/ 49 1.8 1.4 4017 4018 4764 4661 5963 5963 4477 6961 48/ 47 .7 2.21 .0 •0 .0 46/ 45 3.1 .3 .0 .0 2.0 .1 4369 4369 4800 4383 .0 44/ 43 2.2 •0 3771 3772 4500 3518 42/ 41 ٠ź 2.3 1.3 •0 .0 4595 4595 4533 4609 3920 3921 5164 4476 40/ 39 .7 3.0 1.0 •0 38/ 37 2.1 •0 .0 1.5 4277 4277 4442 4953 3658 3658 5063 4617 .4 2.8 1.6 .5 2.4 1.1 36/ 35 .0 34/ 33 ZX No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 10F ± 32 F - 40 F | +93 F \_ ≥ 67 F | ≥ 73 F Dry Bulb Wet Bulb Dew Point

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DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 34050 RAHSTEIN AP DL

# PSYCHROMETRIC SUMMARY

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Element (X)		x'			X	1	1			No. 21	· · · · · · ·							Temperat			
Re! Hum.			7028		096		75.6			₫60		= 0		≤ 32 F	_ 2 67		73 F	> #3 F	+ 93 1		Tetal
Dry Bulb			1510		665		48.4			260								104.2		<u>,u  </u>	\$70
Wet Bulb			5774		3144		44.3			_ ₹60					113.	6	1.4			- 1	370
Dew Point	15	074	2472	34	6000·	441	40.2	11.0	251	≘60	59. 1	3	.924	32.2	- 33	71	•1	1		~ <b> </b>	570

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DATA PRUCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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### **MEANS AND STANDARD DEVIATIONS**

DRY-BULB TEMPERATURES DEG F FROM HOURLY DASERVATIONS

4050	RAH.	STEIN /	do Lr				±6 <del>+</del> 7€	3,73-78	3					
STATION		***************************************	STA	TION NAME					-	YEARS				
IRS (LST.)		JAN .	FEB.	MAR	APR	MAY	NUL	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL
ı	MEAN	34.5	33.0	36.5	40.5			57.3	57.2		45.8			43.9
00-02	* S D		7.945	7.373	7.709	5 . 520	6.635	5.780	5.584	6,708	7.919	8.201	8.636	11.508
	TOTAL OBS	727		927,	89%		663		753	840.	930:			<u> </u>
	MEAN	34.4	32.7	35.5	38.5	46.3	52.1	55.0	54.8	50.0	45.2	3 . 5	32.8	42.8
03-05	S D	7.827		7.867		7.105	6.913			6.973	8.091	8 238		11.089
	TOTAL OBS	330		930				858			930	95		10741
	MEAN	34.0	32.1	35.0	39.6	49.5	56.2	58.2	56.5	50.5	45.0	35.3	32.3	43.8
06-08	\$. D		8.503	8.152	7.613	5.766	6 729	0.109	5.971	6.846	E.011			12.109
	TOTAL OBS	930		930				867				<b>∌93</b>	930	10804
	MEAN =	35.5	35.0	40.9	48.4	50.2	54.7	67.1	66.3	59.1	49.3	40.6	33.6	49.7
09-11		7.817		7.599	8.126			7.906	6.813	6.520				14.383
011	TOTAL OBS			930									930	10809
	MEAN	38.1	39.1	46.1	53.2	52.7	,8,g	71.5	71.4	<b>65,</b> 1	54.1	43.7	36.1	54.0
12-14	S. D	7.120				8.443	9.030	9.055	7.655	7.305			7.166	15.132
10-74	TOTAL OBS	930											930	10805
	MEAN 3	38.5	40.1	47.6	54.5	64.1	70•0	72.8	72.7	66.0	55.1	43.9	36.2	55.0
15-17		6.946		8.357			9.217							15.446
17-11	TOTAL OBS	930									930	a91	929	10803
	MEAN I	36.1	36.4	43.2	50.7	60.4	ბ6•8	69.5	68.4	60.C	49.9	40.7	34.2	51+2
18-20	S D	7.143						8.803						14.846
10-70	TOTAL OBS	979	= -									a <b>9</b> 3	14	10802
	MEAN	35.2	34.1	39.1	44.1	5Ž.8	59.3	62.0	61.0	54.5	47,1	30,5	33.5	46.6
21-23	S. D	7.568			,		6.785			6.296				12.44
41-60	TOTAL OBS	930									930			10666
	MEAN	25.4	75.0	10 E	7.4: 7	<b>≓</b> e	1 2 6 2		12 7	E7 5	, p 0	40.5	33.9	1.0 - 1
ALL	S D	35.8							63.7	57.2 9.135			8.277	48.4 14.198
HOURS	TOTAL OBS	7•682 <u>7•36</u>			7198		10.128 7198							86008

USAF-ETAC FORM 0-89-5 (OL A)

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **MEANS AND STANDARD DEVIATIONS**

WET-BULB TEMPERATURES DEG F FROM HOURLY USSERVATIONS

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06-70,73-78

STATIC'			STA	JION NAME						YEARS				
HRS (LST)		JAN .	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP	OCT	NOV.	DEC	ANNUAL
	MEAN	32.7	31.2		37.8				54.6				31.5	41
00-02	S D		7,484	6.920	7.138		5.087	4.988	4.904					10.64
	TOTAL OBS	927	345	929:	898	930	899	842	753	840	930	294	930	1061
<u></u>	MEAN	32.7	30.9	33.5	36.4	43.8	49.7	52.3	52.9	48.5	43.8	34.3	31.4	40
03-05:	S. D		7.911		7.253		6.445	5.078	5.288	6.314			8.312	10.60
_ ,	TOTAL OBS	930:		_	1	930	- 1					a93		107
	MEAN	~~~	70.5	77.3				-	F. ( )	7.5.6	10.7		30.0	
04 AB	1.	37.3				46.2				48.9			30.9	41
06-08		1	6.031		7.105		5.904		5.225		7.569		8.369	1-1.2
	TOTAL OBS	930	845	930	900	930	900	867	848	900	930	292	929;	108
<del></del>	MEAN	33.5	32.9				57.0	59.3	59.0	54.8	46.9			45
09-11	S. D	7.137	7.164	6,785	5.379	5.471	5.725	5.092	4.386	5.102	5,905	6.936	7.904	11.9
	TOTAL OBS	<u>930</u>	846	930	900	930	899	867	849	900	930		930	108
	MEAN	5.5	35.6	40.4	44.8	52.4	58.2	δ0 <b>.</b> 5	61.3	57.4	49.8	40.7	33.9	47
12-14	S D	:	5.573		5.532						5.666		6,658	11.5
	TOTAL OBS	930			899	930			-					108
	ļ	i												
1	MEAN 1	35.8	36.2	41.0	45.3	52.9	28∙6	60.9	61.6	57.7	50.4	40.9	34.0	47
15-17	5 D.	6.226			5.322		5.438	5.035	4.240	5.156	6.643	6.317		11.5
	TOTAL OBS	930	846	930	900	930	900	808	849	900	930	891	929	108
	MEAN !	34.0	33.7	38.5	43.5	516	57.6	59.9	60.2	55.3	47.4	39.6	32.5	46
18-20	S. D	6.482					5.501				5.752		7.289	11.8
	TCTAL OBS	.29	845		900	930			849		930		929	108
	MEAN	33.3			40.3								32.0	. 43
21-23	S. D.	6.291	+ 7 7	· • •		20443	5,593						7,833	11.2
	TOTAL OBS	.30	846	930	900	930	900	847	767	δõ2	930	894	930	106
	MEAN	33.7	32.9	136.8	41.0	49.0	35.0	57.4	57.8	53.1	45.4	38.4	32.3	44
ALL	S. D.		7.402	7		6.572	6.612	5.932	5.676	6.616	7.511	7.163	7.740	11.6
I+OURS	TOTAL OBS		6765		7197	7440	7198	6884	6594	7081		7150		850

USAF ETAC FORM 0-89-5 (OL A)

DATA PROCESSING PRAYCH USAF ETAC AIR WEATHER SERVICE/MAC

## **MEANS AND STANDARD DEVIATIONS**

DEM-POINT SEMPERATURES DEG F FROM HOURLY FESERVATIONS

34050	RAMSTEIN AS DE	66-70,73-78
STATION	STATION NAME	YEARS

HRS (L.S T.)		JAN	FEB.	MAR.	APR.	MAY	",'N,	JUL.	AUG	SEP.	ОСТ	NOV.	DEC.	ANNUAL
	MEAN "	29.7	27.9	30.5	34.1	42.4	49.0	51.7	52.6	48.2	42.6	34.6	28.9	39.1
00-02	S. D	7.394		7.980								7, <77	8.635	11,461
	TOTAL OBS	927	845	929!		930			<b>7</b> 53				930.	10517
												:	6	
	MEAN	29.7	27.7	30.1	33.2	41.1	47.6	50.2	51.3	47.2	42.4	34.5	23.3	38.5
03-05	S. D =	7.657	8.587	8.308			5.945	5.209	5.367	6.299		7.746	8.771	278
	TOTAL OBS	930	846	930								393	929	15737
,				i								-		
	MEAN	29.4	27.2	29.6	34.1	42.9	49.6	51.9	52.2	47.5	42.2	34.6	25.3	39.0
06-08	S D. 3	7.923						5.078					5.836	
	TOTAL OBS	930	845	930	900								929	10801
													3	
	MEAN	30.5	29.3	32.7	36.4	44.6	21.1	54.0	55.3	51.5	44.8	36.1	29.3	41.2
09-11	S D.	7.542						5.279				7. 535	. =	11.803
	TOTAL OBS	530	846	930	900								930	10909
												i	7.0	
	MEAN	31.7	30.4	33.0	35.5	43.3	50.5	53.3	54.5	51.7	45.9	37.1	30,5	41.3
12-14	S. D.	6.972	7.685	_1										11.414
	TOTAL OBS	630	846	930	899	930	':	868	848				930	10805
					,			1				T T T T T T T T T T T T T T T T T T T	lişig.	
	MEAN	31.9	30.4	32.5	35.3	43.3	50.4	53.1	54.3	51.6	46.3	37.1	30.6	41.3
15-17	S. D.	6.284					6.500						7.567	11.400
	TOTAL OBS	030	845	930	900		1					291	729	10803
												1	100	
	MEAN	30.8	29.3	32.0	35.1	43.6	30∙8	53.3	54.6	51.7	44.9	35,8	29.6	40.9
18-20	S. D.	6.971	7.570						5.238				7.948	11.756
	TOTAL OBS	729	845	929									929	10801
	WEA.4	30.3	28.6	31.6	35.4	44.2	51.C	53.7	54.5	50.0	45.4	35.2	29.3	40.3
21-23	S, D.	7.206	7							5.513		7.293	8.306	11.725
~	TOTAL OBS	936	846	930		30 7 -							930	10686
							20 20 20	- =====					100	
ALL	MEAN	30.5	28.8	31.5	34.9	43.2	30.0	52,7	53.7	49.9	44.1	35,6	29.4	40.
HOURS	S. D.	7.361						5.440				7.408		11.62
	TOTAL OBS	7436					7198			7081		7150		

USAF-ETAC FORM -0-89.5: (OL-A)-

DATA PROCESSING PRANCH ETAC/USAF AIR MEAIHER SERVICE/MAC

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## RELATIVE HUMIDITY

STATION STATION NAME

97-70,73-78

J#H HTMON

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

монтн	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN		1	MEAN	TOTAL
	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
AN	00-02	100.0	10040	100.0	100.0	99.1	98.3	85.9	62.7	27.9	63.2	92
	03-65	100.0	100,0	100.0	100.0	99.0	98.4	85.7	62.2	29.4	53.5	93
	00-08	100.0	100.0	100.0	100.0	99.1	98.3	85.7	53.4	30.8	83.5	\$3
	09-11	190.0	100.0	100.0	90.9	9.3	98.0	85.3	57.0	27.7	ā2.5	73
<u> </u>	12-14	100.0	100.0	100.0	99.7	99.4	93.4	72.3	44,7	17,7	78.4	931
	15-17	100.0	100.0	100.0	99.7	98.9	92.9	70.5	42.7	lt,ō	77.8	93
	16-20	100.0	100.0	100.0	100.0	29,3	97.7	82.2	94.7	22.8	81.5	92
	21-23	100.0	100.0	100.0	100.0	100.0	98.3	85•Z	60.3	20.9	ã2.7	93
					<u> </u>	<u> </u>						
		<b> -</b>	<del> </del>	-	'		-		<b></b>			-
						· · · · · · · · · · · · · · · · ·	ž				_	-
TOT	ALS	100.0	100.0	100.0	9>.0	99.6	95.9	81.6	56.0	.25.1	81.7	743

USAF ETAC POM 0-87-5 (OL 1

DATA PRICESSING TRANCH ETAC/USAF ALR HEATHER SERVICE/MAC

### **RELATIVE HUMIDITY**

RAMSTETH AP OL

57-70,73-78

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONTH	(LS.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
£3	00-02	100.0	100,0	100.0	100.0	99.2	96.9	93.1	ού <b>.</b> 2	29.6	91.9	845
	02-05	100.0	100.0	100.0	100.0	100.0	97.9	€4.Z	al.5	24.0	\$2.2	34(
	00-08	100.0	100.0	100.0	100.0	99.3	98.7	83.8	31.4	25.4	82.3	845
w	09-11	100.0	100.0	100.0	190.0	99.2	96.2	77.0	53.0	20.3	ĉQ.1	846
	12-14	100.0	100.0	106.0	99.2	92.5	77.8	52.3	31.3	10.9	72.1	845
	15-17	100.0	100.0	99.5	98.1	.88.1	<u>89.9</u>	46.9	27.8	16.3	69.8	846
_	15-50	100.0	100.0	100.0	99.5	\$7.5	59.5	62.5	38.5	15.0	76.2	845
	21-23	100.0	100.0	100.0	100.0	9,4	96.1	76.0	55.2	23.6	ao.5	846
···········	<u> </u>	ļ	ļ	ļ	<u> </u>	<u> </u>		ļ		ļ		
		<del> </del>	<u> </u>	<del>                                     </del>	<del>                                     </del>							
		<del> </del>		-		- F-F				ļ ·	_	
		-	<del> </del>				å s7. \	-	ļ		ļ	
10	TALS	100.0	100.0	100.0	99.6	97.1	90.4	71.0	48.7	19.2	78.1	675

USAF ETAC

DATA PROCESSING GRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

#### **RELATIVE HUMIDITY**

34050	PARST
e ince	5, 2, 1, 1, 2, 2

JO AL MISTEMAS

59-70,75-77

MAP

STATION

STATION NAME

PERIOD

HINOM

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAC	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
нтиом	(LS.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
YAR	00-02	100.0	100.0	190.0	99.5	98.3	93.3	78.5	«9 <u>.</u> 2	le.j	79,3	929
	03-05	100.0	100.0	100.0	99.8	°5.4	95.1	83.8	57.1	22.2	81.1	<u>\$30</u>
	06-08	100.0	100.0	100.0	100.0	99.5	95.3	84.7	57.8	21.7	81.7	930
	09-11	100.0	100.0	79.9	99.0	93.4	ธ1.7	59.50	35.3	11.5	73.7	930
	12-14	100.0	99.9	97.4	8ª.4	74.3	53.8	21.4	13.5	<u> د ۽ د</u>	62.2	930
	15-17	100.0	99.1	94.2	33.4	67,5	44.4	23.9	2.6	2.4	58.3	930
	16-20	100.0	99.9	98.3	92.6	84.9	a7.5	40.8	18.5	5.0	55.4	929
	21-23	100.0	100.0	100.0	98.&	96.1	â7.6	64.3	9.6E	12.9	75.2	930
							ļ			<u></u>		
		<u> </u>			<u> </u>	<u> </u>			<u></u>			<b>_</b>
		<u> </u>		<u> </u>	<u> </u>	La argonia		<u> </u>		ļ <u></u> -		<u> </u>
==:			<u></u>		<u> </u>	- 				<u></u> _		
10	TALS	100.0	99,9	9夏。7	195.3	89.0	77.3	58.3	34.6	12.2	72.2	7438

USAF ETAC - 10M 0-87-5 (OL)

DATA PROCESSING PRANCH ETAC/USAF ATR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

34050 STATION SAMSTEIN AR PL <u>-06-70,73-77</u>

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	T .		PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
НТИОМ	(LS.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
<u> </u>	00-02	100.0	100.0	100.0	79.7	C3	91.V	70.4	47.3	10.0	78.5	85
	03-05	100.0	10).0	ioc.o	₹9.B	99.4	96.4	P6.0	59.0	19.4	81.6	400
	06-03	100.0	100.0	100.0	99.7	99.;	96.2	84.0	57 <b>.</b> 7	lj.l	8C.9	<b>50</b> 1
	09-11	100.0	100.0	99.2	93.0	79,7	60.8	40.9	19.0	3.7	05.3	900
	12-14	100.0	99.7	92.1	73.9	50.a	34.3	23.0	9.6	1.4	54.1	999
	15-17	100.0	98.9	55.9	92.7	45.3	33.4	24.5	11.6	2.8	52.2	900
<del></del>	18-20	100.0	99.7	94.0	79.0	59.L	44.6	32.2	14.7	3.9	58.4	900
	21-23	100.0	100.0	99.9	98.3	92.5	79.8	58+0	30.7	8.8	72.5	90(
	111111111111111111111111111111111111111											
										<b>_</b>	-	
то	TALS	100.0	99.8	20.5	88.3	78.1	57.2	53.1	31.2	9.4	57,9	7197

DATA PROCESSING ARANGE ETAC/USAS ATR MEATHER SERVICE/MAC

## **RELATIVE HUMIDITY**

34030 RAHOTETA AF OL

5c-70,73-77

MAY

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

нтиом	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	E AVER THAN			MEAN RELATIVE	TOTAL NO. OF
MUNIH	(LS.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
<u>ν</u> ΑΥ	00-02	100.0	100.G	100.0	99.7	1.69	74.4	84.3	54.2	19.7	<b>30.</b> 5	93(
	0.0-05	100.0	100.0	100.0	99.9	98.t	97.4	88.7	61.1	24.7	82.7	933
	0u-08	100.0	100.0	100.0	39.0	98.1	92,7	78.3	47.6	17.5	79.G	930
	09-11	100.0	100.0	₽ <u>8</u> .6	92.9	78.5	51.5	29.9	12.7	5.7	52.3	930
	12-14	100.0	99.9	92.2	74.7	48.5	26.2	15.2	4,4	1.8	51.5	93(
	15-17	1.00.0	49,8	89.1	65.3	41.7	<u>∠3.7</u>	12.9	2.4	1.6	49.4	930
	18-20	100,6	99.9	94.8	81.4	60.5	38.5	22.7	9.4	2.5	56.5	93(
·	21-23	100.0	100.0	99.9	98.4	93.3	82:6	64.4	34.1	ē, Ē	73.8	93(
					100	<u> </u>	_			-		
												* *
			* *			55 T				_	3	-
70	TĄLS .	10010	100,0	90.9	89.Õ.	17.2	63,4	· @ . 6	19.4	10.0	57.0	7440

USAF ETAC POM 0-87-5 (OL 1)

DATA PROCESSING GRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

### **RELATIVE HUMIDITY**

34050 STATION	RAMSTEIN AR OL STATION NAME	t 5-70, 73-77	J.,A.
JIAIION	JIA ION INME	PERIOD	MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

МОМТН	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIVE	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL
MONIN	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	NO. OF OBS.
N.N.	00-02	190.0	100.0	100.0	100.0	79.	95.9	85.7	29.8	27.3	62.1	599
	05-دو	100.0	100.0	100.0	105.0	100.11	78.4	91.7	05.7	39,4	35.2	900
	80-00	100.0	100.0	100.0	50.7	95.6	93.3	79.2	47.4	20.6	79.5	900
	09-11	100.0	100.0	98.5	94.1	40.0	55.4	30.7	12.1	3.1	63.1	<b>\$99</b>
	12-14	100.0	99.7	94.3	82.0	53.,	31.1	18.1	7.7	2.0	54,4	900
	15~17	100.0	99.4	94.3	75.2	48.0	27.5	15.4	6.9	1.3	52.4	909
<u></u>	18-20	100.0	99.8	90.6	\$7.6	64.8	42.3	24.5	13.4	3.2	58.8	900
-	21-23	100.0	100.0	99.7	99.0	95.5	84.9	\$5.8	37.9	11.1	75.1	900
							-					
					-	-	<u> </u>					
						3	2					حادم
то	TALS	100.0	99.9	2 <u>0</u> -2.	92.2	79.9	66.1	52.4	91.2	13,5	56.3	7198

USAF ETAC PRA 0-87-5 (OL I)

DATA PROCESSING FRANCH CTAL/USAF SIR MEATHER SERVICE/MAC

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### **RELATIVE HUMIDITY**

34C50 RAMSTETN AR DL STATION NAME

<u>56-70,73-77</u>

10T

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENCY	OF RELATIVE	HUMIDITY G	EATER THAN			MEAN RELATIVE	TOTAL NO. OF
нтиом	(LS.T)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
UL	00-02	100.0	100.0	100.0	99.8	99.5	97.5	88.0	37.ts	19.7	ē2.5	842
	03-05	100.0	100.0	100.0	100.0	100.0	98.7	94.1	05.2	25.7	34.4	858
	0è-08	100.0	100.0	100.0	99.7	99.1	95.5	24.2	⇒2.7	15.1	80.1	86
	09-11	100.6	100.0	99.0	95.4	29.ú	50.9	34.3	11.5	3.5	64.5	807
	12-14	100.0	99.5	95.9	84.2	56.5	29.7	15.3	5.6	1.6	54.4	86
	15-17	100.0	99.1	95.0	76.7	47.1	27.5	14.9	ò.ì	1.3	52.4	808
	16-20	100.0	99.7	97.0	88.9	67.5	40.5	23.€	9.9	1.5	78.5	867
	21-23	100.0	100.0	99.9	98.7	96.5	£7.7	69.4	34.6	5.0	75.2	.847
								Acceptance of the control of the con				
												- 
10	TALS	100.0	99.8	28.4	92.9	81.3	67.3	53.1	30.2	15.1	69.0	0889

USAF ETAC 100M 0-87-5 (OL 1)

UATA PROCESSING TRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

34050	RAMSTERN	ir ol	
	5 5 1 C 111		 
CT . TIGHT			

20-70,73-77

AUG MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	; HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
MUNIH	(LS.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
<u> 1</u> U6	0 <u>0-</u> 02	100.0	100.5	100.6	100.0	59,7	97.7	93.0	69.9	32.2	45.2	753
	02-05	100.e	100.0	100.0	100.0	;co.,,	99.9	97.2	17.2	44.4	<b>#3.2</b>	ali
	0 <del>0-</del> 68	100.0	100.5	100.0	160.0	99.7	98.8	93.5	57.6	30.7	65.7	. <u>8</u> 43
	07 <b>-</b> 11_	100 0	100.0	100.0	97.5	88.1	72.8	47.9	21.2	2.7	69.1	De d
	12-14	100.0	100.0	97.5	85.4	52,7	38.7	21.7	7.9	1.5	57,2	846
	1>-17	100.0	100.0	95.4	86.4	53.4	32.6	10.3	7.3	1.2	54.5	<u>₹</u> 49
 	14-20	100.0	100.0	98.2	92.1	75.3	57.5	36.9	17.1	5,4	à3.7	849
T T T T T T T T T T T T T T T T T T T	21-23	100.0	100.0	100.0	20.0	78.i	93.3	79.3	47.9	17.3	79.7	787
	-mentename -mentename					<b> </b>		<del>  `</del>		ļ. ·		And the state of t
				<del> </del>				-	<b> </b>			
	- Trivitation	-								•		
то	TALS	100.0	100.0	93.9	94.4	84.9	73.9	60.9	39.5	18.2	72,3	<u> </u>

USAF ETAC TOTAL 0-87-5 (OL 1)

DATA FRUCESSING PARTY FTAC/USAF AIR EATHER SERVICE/SAC

### **RELATIVE HUMIDITY**

34050 STATION RAMSTERN AP TE

-70,73-77

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIVE	HUMIDITY G	EATER THAN	-		MEAN	TOTAL
MONTH	(LS.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	NO. OF OBS.
ΞĘρ	00-02	100.0	100.0	100.0	100.0	99.19	99.0	94.4	79.3	50.5	<b>48.</b> 5	94(
	<u>05-دو</u>	100.0	100.0	100.0	100.0	160.0	\$9.7	95.7	62.3	56.5	90.7	830
	0o-08	100.0	100.0	100.0	100.0	100.2	99.5	97.0	ĕ2.7	52.3	69.5	900
	09-11	106.0	100.0	100.0	99.0	97.7	83,9	70.0	39.4	14.7	77.0	900
	12-14	100.0	100.0	99.9	95.1	E1.2	53.8	29.7	13.1	رة. به	93.4	<u>ş</u> 91
<del></del>	15-17	100.5	100.0	99.3	93.5	74.a	47.9	26.5	10.9	3,6	61.4	900
	1=-20	100.0	100.0	99.9	99.8	95.	<u>8</u> 5.4	56-1	35,4	13.6	75.0	ġ0(
	2:-23	100.0	100.0	100.0	100.0	99.4	98.C	92.3	5.64	34.3	\$5.3	252
	- derivative derivativ	AND THE CONTRACTOR OF THE CONT			-				<u> </u>			
	A PARTIE AND A PAR					-2.1						
							-					
- то	TALS	100.0	100.0	100.0	95.6	95.5	84.1	72.6	51.3	28,6	76.3	708

DATA PROCESSING RRANCH ETAC/USAF AIP -EAIHER SCRVICE/MAC

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#### **RELATIVE HUMIDITY**

STATION STATION NAME

<u> 70-70,73-77</u>

T JE HIMOM

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TO.AL NO.OF
AONTH	(LS.T.)	10%	20%	30 <b>%</b>	40%	50%	60%	70%	80%	90%	RELATIVE	OBS.
<u> </u>	0-02	199.0	190.2	120.0	100.0	100.0	29,4	97.0	E4.5	51.4	89.0	93.
	ეკ-ც <u>5</u>	100.5	100,0	190.6	100.0	100.	150.0	99,1	88.0	41.9	à9.8	<b>93</b> .
	0ಫ−63	100.0	100.0	100.0	107.0	LOO.L	99.9	98.5	57.8	54.5	90.3	. ۲ 6
	09-11	100.0	100.0	100.0	99.9	99.#	98.5	91.3	00.0	30.7	64.9	03:
	i14	106.6	100.3	130.0	99.6	96.5	a5.5	66.5	34.7	10.0	75.0	93:
	15-17	196.0	100.0	120.0	99.7	95.0	52.7	61.3	30.2	J.7	73.2	933
	13-20	100.0	100.0	190.0	99.9	99.7	97.5	59.9	64.6	₹4.9	63.2	930
	2-23	100.0	160.0	100.0	100.0	:00.5	69.1	<b>45.</b> 4	Marian Indiana	A CONTRACTOR OF THE PARTY OF TH	\$7.2-	930
							-	35 -	Attendant Assessment of the Control		A COLUMN TO THE	
-· <del></del>					1	<u>.</u>		-	AND AND AND AND AND AND AND AND AND AND	HANNE SHEET STATE OF THE STATE	-	
то	TALS	6.001	100.0	100.0	90.9	99.0	95,3	85	67.41	34.0	35.0	744

USAF ETAC COM (1-87-5 (OL 1)

DAIN FRECESSING PRANCH ETÁCZOSAF AIR «BAIMER SERVICEZNAC

## **RELATIVE HUMIDITY**

34	75	3

PARSTERN AR CL

STATION NAME

Se-78,75-77

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	•		PERCENTAC	Æ FREGUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	PUTALES	NO. OF OSS.
4. <i>i</i>	002	100.6	100.0	100.0	100.0	99.	38.8	52.3	77.3	37.7	ē5.€	374
	05-دو	100.0	100.0	190.0	99.3	99	93.8	92.7	25.5	36.3	26.1	293
	0v-v8	100.0	100.6	100.0	100.0	99.5	98.7	*3.9	72.5	37.6	u6.5	<u> </u>
	07-11	160.0	100.0	190.6	196.0	:00.	95.2	90.4	o\$.8	24.5	54.3	<b>€9</b> 3
	14-15	109.6	100.0	100.0	99.9	ça	90.8	7*•2	42.7	15.9	78.2	895
	13-17	100.0	100.0	100.0	79.7	98.7	90.7	71.3	43.5	17.3	77.5	891
	13-20	100.0	100.6	100.0	100.0	99.2	97.0	£7.3	63.6	29.5	\$3.1	893
	21-23	10.0	100.0	100.0	100.0	99.3	98.0	90.9	±9.5	30.1	35.1	<u>8</u> 94
	Many distance distanc	Andreas de la company de la co	Albachitements - Rose		N-side				<u> </u>			
	A STATE OF THE STA	Minimile Meanwhitingwood	HATCHERINING		ris to 1					<u> </u>		
· 10	TALS	100.0	100.5	109.0	99.9	99.5	95.5	50.0	\$4.8	30.4	83.3	7150

USAF ETAE POST D-87-5 (OLT)

DATA PROCESSING TRANCH ETAC/USAF AIR REALPER SURVICE/MAC

### **RELATIVE HUMIDITY**

34050 E.445TETE: 48 EL

75-70,73-77

U.E.C.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTAC	SE FREQUENC	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
MUNIH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	YTIDIMUH	OBS.
<u> </u>	00-02	100.0	100.0	100.0	100.0	100.0	99.7	91.1	71.6	37.6	b5.5	نڌو
	20-60	100.0	100.0	100.0	100.0	100.2	99.2	91.4	71.0	35.7	95.5	923
	00-08	100.0	100.0	100.0	100.0	ن.00 ن	98.9	53.6	71.5	36.1	85.6	92
	09-11	100.0	100.0	100.0	100.0	100.0	99.4	90.5	67.2	34.4	54.4	93:
	12-14	100.0	100.0	100.0	99.7	98.9	95.3	81.3	54.8	22.2	<b>40.</b> 7	93(
	15-17	100.0	100.0	100.0	99.5	49.0	95.4	30.4	55.1	23.9	80.7	92
	16-20	100.0	100.0	100.0	100.0	99.7	98.8	87.8	54.9	29.8	83.6	92
	21-23	100.0	100.0	100.0	100.0	99.4	99.0	90.2	70.0	34.0	84.9	١٤٥
						-						
												مينين
TO	TALS	100.0	100,0	100.0	99.9	99.7	98.2	68.2	65,9	32.2	80.9	743

USAF ETAC FOLM 0-87-5 (OL 1)

NATA PROCESSING NAAACH FIAC/USAF AIR JEATHER SERVICE/JAC

## **RELATIVE HUMIDITY**

STATION RAMSTET GR TL

NAD.

MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

МОМТН	HOURS			PERČENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN 3	TOTAL
MONTH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	AVITALIAN YTHOUGH	NO. OF OBS.
JAN	nLL	100.0	100.0	100.0	99.9	99.5	96.9	51.0	>6.0	33.4	01,7	7436
FŁB		106.0	100.0	100.0	99.5	97.1	90.4	71.0	48.7	19.2	78.1	6763
PAR		100.0	99.4	96.7	95.3	89 <b>.</b> )	77.3	50.3	34.6	12.2	72.2	7438
3FR		100.0	99.8	96.5	89.3	78.1	67.2	53.1	31.2	5.4	67.9	7197
YAY		100.0	100.0	90.9	80.0	77.2	63.4	49.62	<b>48.6</b>	lc.u	57.0	7440
JUN		100.0	99.9	98.2	22.2	79,9	56.]	51.4	31.2	13.5	68.9	7198
بازال		100.0	99.8	95.4	92.9	81.5	67.3	53.1	30.7	15.1	69.0	¢8.84
AUS		100.0	100.0	98.9	94.4	84.9	73,9	rti-3	37.5	18.2	72.9	0594
SEP		100.0	100.0	100.0	98.4	93.3	84.1	71.6	51.5	25.6	78.9	7001
OLT		100.0	100,0	100.0	<u> </u>	99.5	95.3	87.5	47,1	34.0	84.7	7440
RQV		100.0	100.0	100.0	-99,9	99.5	96.4	86.6	54.6	30.6	83.3	7150
DEC		100.0	100.0	1.00.0	99.9	99,7	98.2	88.7	65.7	32.2	.13.9	7435
101	TALS .	100.0	100.0	99.0	95 a	84.9	111.4	67.7	45.8	70.3	75.6	95059

USAF ETAC JULIA 0-87-5 (OL 1)

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART F

#### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

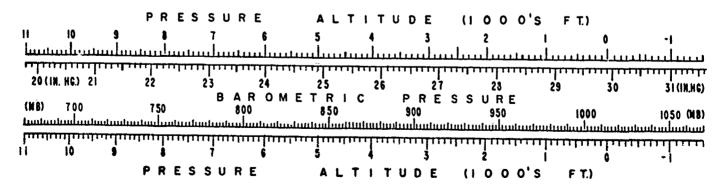
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

- 1. Station pressure is presented in the table in inches of mercury.
- 2. Sea-level pressure is presented in millibars. DATA NOT AVAILABLE

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressurealtitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



DATA PRUCESSING BRANCH USAF ETAC AIR REATHER SERVICE/MAC

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### MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HE FROM HOURLY OBSERVATIONS

34050 REMISTEIN AR PL 66-70,73-78
STATION STATION NAME YEARS

HRS (L.5 T)		JAN	FEB	MAR	APR	MAY	JUN.	JUL.	AUG	SEP	OCT	NOV	DEC (	ANNUAL
	MEAN	29.1802	0.098	29.177	19.126	79.146	29.202	29.187	29.196	29.206	29.191	29.143	29.187	29.170
01	S D -	299	315		.221		.140	.138	.135	.191	.251	. 281	.331	.242
	TOTAL OBS	310	252									298	310	3542
		,											1	
	MEAN	29.1742	9.087	29.164	29.117	29.139	29.195	29.183	29.181	29.193	29.176	27.130	29.182	29.161
04	\$. D	•301		.260			.147			.191				. 243
	TOTAL OBS	310	282	310	300	310	300	289	281	300	309	298	310	3599
									<u> </u>	<u> </u>				
	MEAN ,	29.169	29.087	29.170	29.129	29.154	29.208	29.192	29.190				29.178	29.166
07	SD.	•301	.321	.262	.225	.183	.149				.260			.245
	TOTAL CBS	310	282	310	300	310	300	239	253	299	317	297	310	3600
										<u></u>		<del> </del>	<u> </u>	
	MEAN	27.189	29.105	29.184	29.136	29.156	29.211	29.195	29.148	29.215	29.203		29.198	29.179
10	S D.	.302			•227			.140				, -	1 3	. 245
	TOTAL OBS	210	202	310	300	- 310	300	289	233	299	310	300	310	3603
									<u> </u>				<u> </u>	
	MEAN SD.						29.197	29.187	29,183	29.197	29.186	29,138	29.182	29.165
13	S D. TOTAL OBS	.301				+181			.140					243
	IOIAL OBS	310	282	3.10	299	310	300	289	232	299	310	298	310	3595
	MEAN				00 -01		20 172	<b>5</b> 1 / F	20 1/2	20 . 01	20 .7.	20 124	20 125	50 06
	S, D.	29.168	29,083	29.140	5A • 0A 4	29 • 122	29.179	74.100	54.10	24.181	24.171	27.140	29.175	29.140
16	TOTAL OBS	.30C	3 7		.219 300	, -					.253 310			,240 36 <b>0</b> 0
	10,142,000	317		210	2017	-310	300	207	207	2012	210			
	MEAN	30 110	20. 000	30 152	20 100	30 170	20 177	-0 140	20 162	29 122	20 187	20 129	29.187	29.155
19	S D.	299								136		284	329	239
	IOTAL OBS		782											3600
												<del></del>	1	
	MEAN	29.184	29.106	29.173	29.125	29.145	2" 263	29.180	29.195	29.206	29.196	29.146	29.195	29.171
22	S. D.	297					145	.134			253			242
~ 4	TOTAL OBS	710							251					3541
AU	MEAN	29.178	29.095	29.168	29.118	29.140	29.197	29.181	29.184	29.198	29.186	29.158	29.186	29.154
HOURS	\$. D.	.295			222	.181	147	139	.140	.190	255	282	.330	243
110003	TOTAL ÖBS	2480	2256				- 2400							28684

USAF ETAC FORM 0-89-5 (OL-A)